175 USt

217 ft

236 ft

302 ft

The jewel in your fleet

LTM 1150-5.3

Mobile crane
Grue mobile

LIEBHERR

Mobile and crawler cranes

GUAY



Technical data
Caractéristiques technique

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Mobile Crane
Grue mobile 4–5

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TK/TNZK 15–19

TVK/TVNZK 20–22

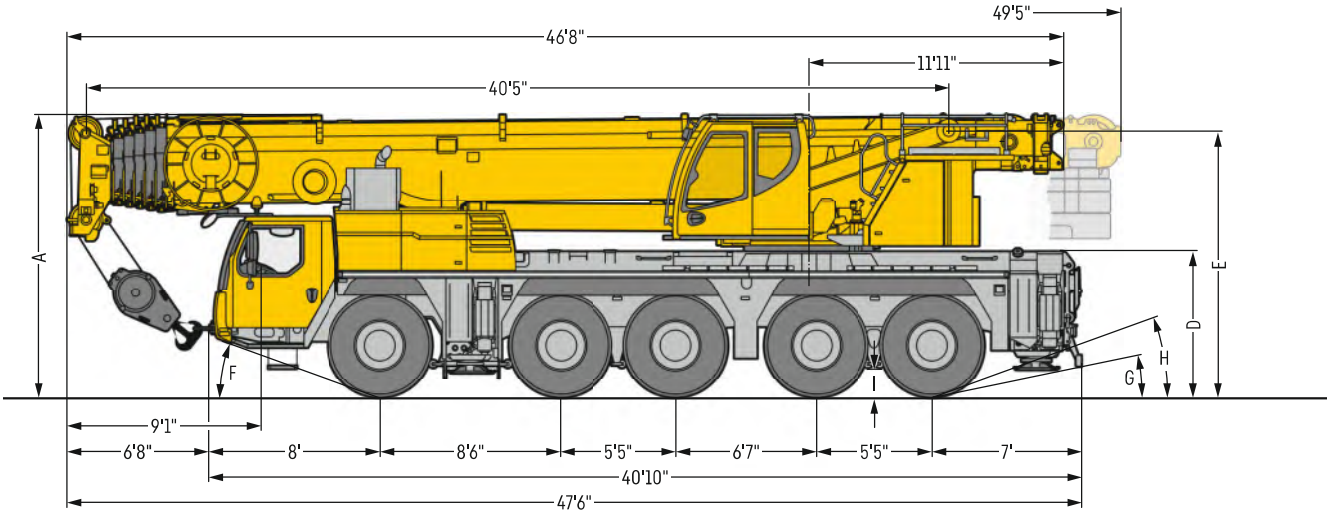
TK 23–24

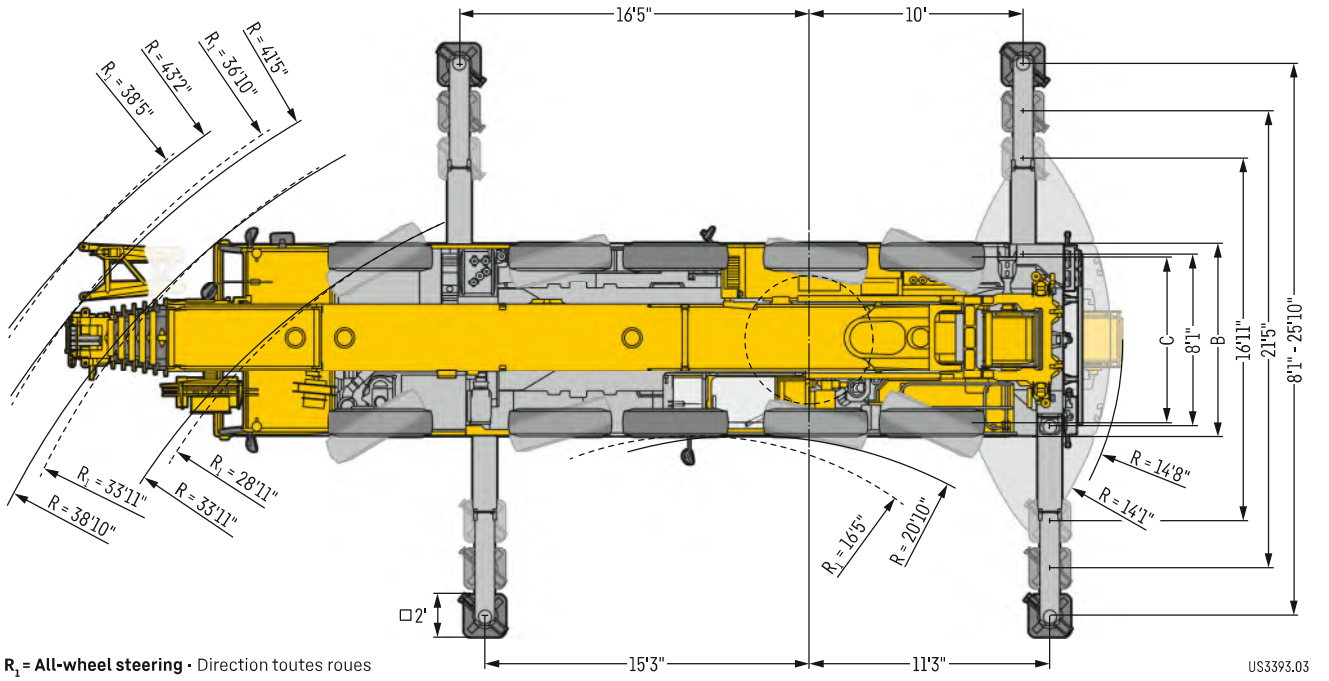
Equipment
Equipement 25–26

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Remarks
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Dimensions
Encombrement





R_1 = All-wheel steering · Direction toutes roues

US3393.03

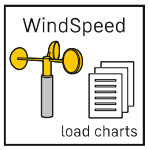
Dimensions · Encombrement

	A	A 5" *	B	C	D	E	F	G	H	I
445/95 R 25 (16.00 R 25)	13'1"	12'9"	9'	7'7"	6'9"	12'4"	20°	11°	20°	1'3"
525/80 R 25 (20.5 R 25)	13'1"	12'9"	9'4"	7'7"	6'9"	12'4"	20°	11°	20°	1'3"

*** lowered** · abaissé

LTM 1150-5.3





Increased flexibility and safety by using lifting capacity tables with different maximum wind speeds.
Une flexibilité et une sécurité accrues grâce aux tableaux de charge avec différentes vitesses de vent autorisées.





217 ft



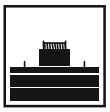
35 ft – 62 ft



23 ft



9.5 ft



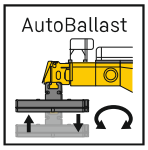
99,200 lb



400 kW (544 h.p.)

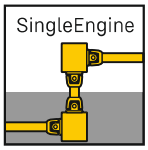


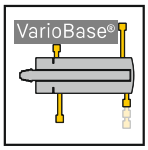


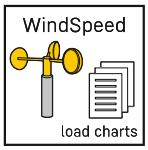












Crane data
Dates de la grue

Hook block · Moufles à crochet

257,700 lb	7	14	2,750 lb
189,600 lb	5	10	2,100 / 1,650 lb
135,800 lb	3	7	1,550/1,100 lb
60,000 lb	1	3	1,000 lb
23,300 lb	-	1	770 lb

Crane carrier · Châssis porteur

	mph min.	mph max.	%		
445/95 R 25 (16.00 R 25)	0.3	53	56.5 %		12 / R2
525/80 R 25 (20.5 R 25)	0.3	53	56.5 %		4 / R2

Theorical gradeability · Aptitude théorique en pente

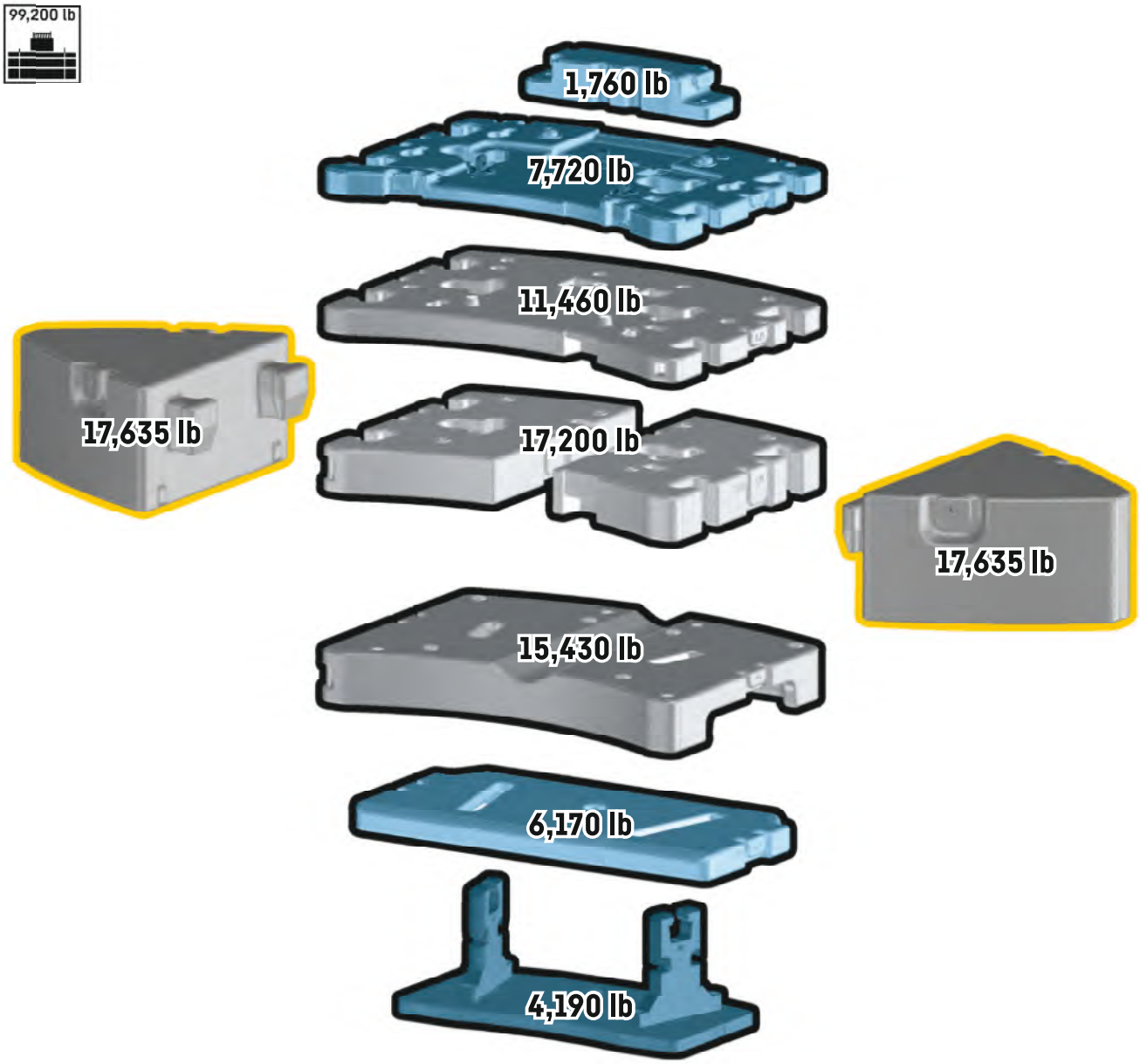
Max. supporting forces · Forces d'appui max.

Fmax	165,200 lb	207,650 lb

Crane superstructure · Partie tournante

	max	⌀		F
1	**0 – 367 ft/min single line** · au brin simple	21 mm	820 ft	20,590 lb
2	**0 – 367 ft/min single line** · au brin simple	21 mm	820 ft	20,590 lb
360°	**0 – 1.5 rpm**			
	approx. 57 seconds to reach 83° boom angle env. 57 s jusqu'à 83°			
	approx. 460 seconds for boom extension from 40 ft – 217 ft env. 460 s pour passer de 40 ft – 217 ft			

Counterweight
Contrepoids

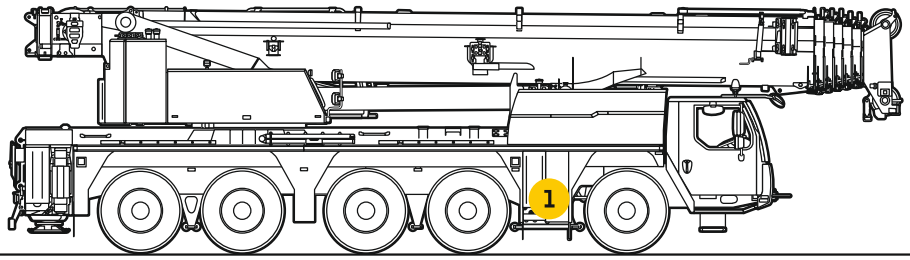


26,450 lb axle load
26,450 lb de charge par essieu

Technichally transportable
Transport techniquement simplifié

Additional counterweight
Contrepoids additionnel

On-road driving
Déplacement sur route

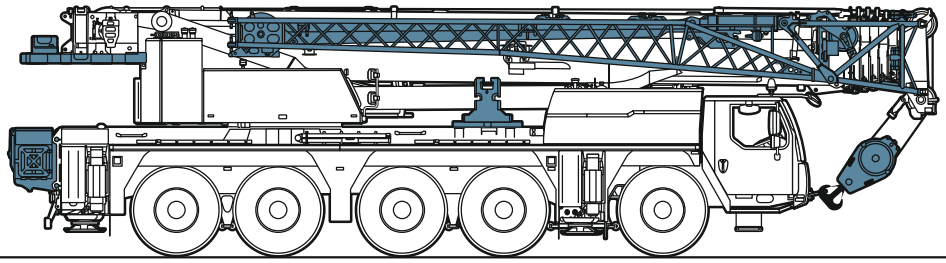




≤ 105,800 lb

≤ 22,050 lb ≤ 22,050 lb ≤ 22,050 lbt ≤ 22,050 lb ≤ 22,050 lb

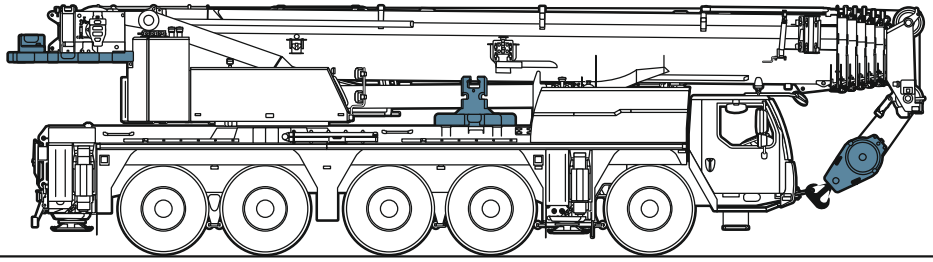
1 **Note: without front outriggers** • Remarque : sans longerons coulissants à l'avant





≤ 132,250 lb

≤ 26,450 lb ≤ 26,450 lb ≤ 26,450 lb ≤ 26,450 lb ≤ 26,450 lb

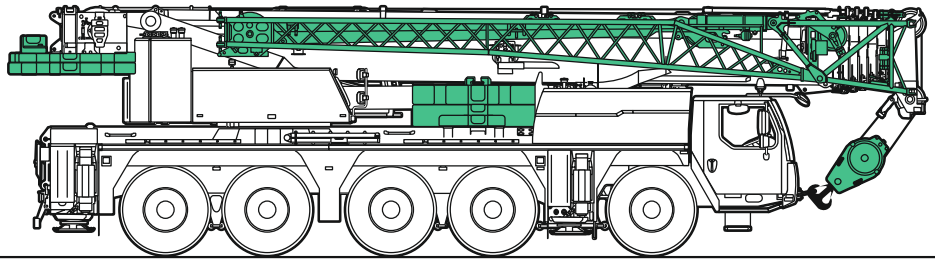




≤ 132,250 lb

≤ 26,450 lb ≤ 26,450 lb ≤ 26,450 lb ≤ 26,450 lb ≤ 26,450 lb

Jobsite driving
Déplacement sur chantier





≤ 181,900 lb

≤ 36,400 lb ≤ 36,400 lb ≤ 36,400 lb ≤ 36,400 lb ≤ 36,400 lb

S3418.01

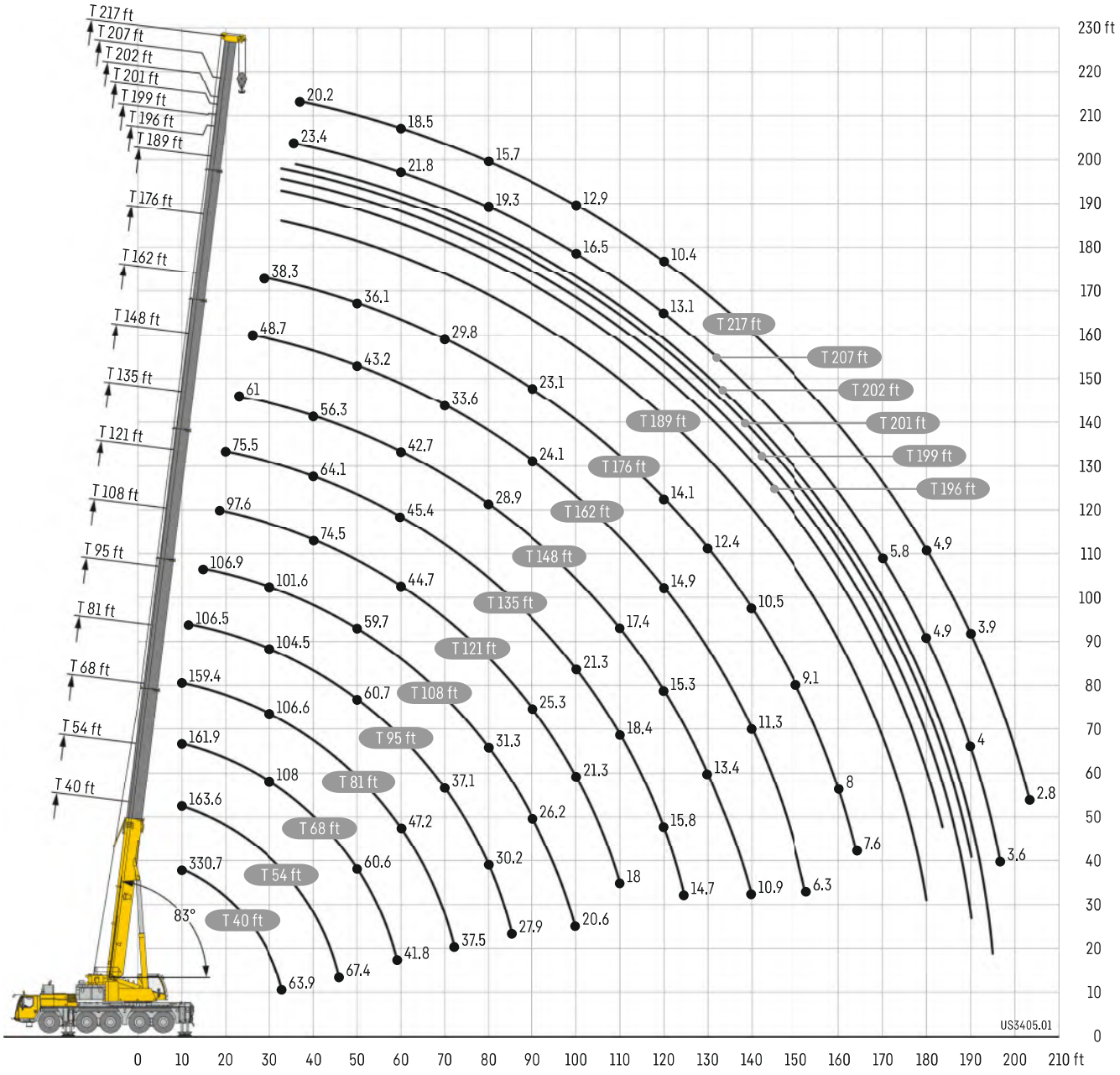
Boom/jib combinations
Configurations de flèche

T	**Telescopic boom** · Flèche télescopique
K/NZK	**Mechanically/hydraulically adjustable folding jib** · Pointe pliante reglable mecaniquement/hydrauliquement
V	**Telescopic boom extension** · Rallonge de flèche télescopique
K	**Assembly jib** · Fléchette de montage



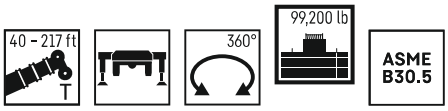
Lifting heights
Hauteurs de levage

T



Lifting capacities
Forces de levage

T

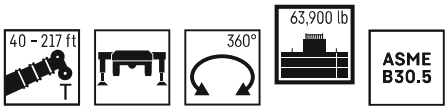


	40 ft		54 ft	68 ft	81 ft	95 ft	108 ft	121 ft	135 ft	148 ft	162 ft	176 ft	189 ft	196 ft	199 ft	201 ft	202 ft	207 ft	217 ft	
	*																			
10	330.7	189.6	163.6	161.9	159.4															10
11	251.8	189.6	163.6	161.9	159.4	106.5														11
12	238.7	189.6	163.6	161.9	159.4	144.7														12
13	225.6	189.6	163.6	161.9	159.4	144.3														13
14	213.3	189.6	163.6	161.9	159.4	144.3	106.9													14
15	202.1	187.8	163.6	161.9	159.4	144.3	114.9													15
16	192.1	182.6	163.6	161.9	159.4	144.3	114.9													16
17	184.5	175.1	163.6	161.5	158	144.3	114.9	97.6												17
18	177.7	168	162.9	159.5	154.5	144.3	114.9	97.6												18
19	171.3	161.4	161.4	156.1	149.4	142.2	114.9	97.6												19
20	165.4	155.3	155.4	150.7	144.4	138.6	114.8	97.6	75.5											20
22	154.1	144	144.1	141.8	137.3	130.1	113.4	97.6	75.5											22
24	140.3	134.1	134.9	134.1	128.9	122.6	110.1	97.6	75.5	61										24
26	128	125.2	126.1	126.1	121.5	115.9	106.9	97.6	75.4	61	48.7									26
28	117.2	115.7	116.8	117	114.3	110	105.7	97.6	74.7	61	48.7	38.3								28
30	108.1	106.6	107.7	108	106.6	104.5	101.6	96.8	73.3	61	48.7	38.3								30
32	97.2	97.5	100.6	101.2	100.6	98.6	96.4	92.8	71.6	60.5	48.7	38.3	31.2	27.7						32
34	63.9	64.1	93.7	94.5	94.4	92.6	91.2	87.8	69.9	59.6	48.7	38.3	31.2	27.6	26.5	25.8	25.3	23.4		34
36			87.5	88.4	89.3	86.8	86.1	83	68	58.7	48.6	38.3	31.2	27.4	26.4	25.7	25.3	23.4	20.2	36
38			82.1	82.9	83.8	81.8	81.2	78.5	66	57.5	48.2	38.3	31.2	27.3	26.2	25.5	25.2	23.3	20.1	38
40			77.3	78.1	78.9	77.9	76.8	74.5	64.1	56.3	47.7	38.2	31.2	27.1	26.1	25.3	25.1	23.2	20	40
45			67.4	67.8	68.6	68.7	67.4	65.2	59.2	52.9	45.5	37.3	30.8	26.6	25.6	24.7	24.8	23	19.8	45
50				60.6	60.4	60.7	59.7	57.1	54.1	49.5	43.2	36.1	30.1	26	25	23.9	24.4	22.7	19.4	50
55				53.3	53.7	53.3	52.5	50.6	49	46.3	40.8	34.6	29.2	25.2	24.4	22.9	23.9	22.3	19	55
60				41.8	47.2	46.8	45.9	44.7	45.4	42.7	38.4	33	28.2	24.3	23.6	22	23.3	21.8	18.5	60
65					41.9	41.5	40.6	41.3	40.7	38.7	36	31.4	27.2	23.3	22.7	21	22.6	21.3	17.8	65
70					37.5	37.1	36.6	37.4	36.3	35	33.6	29.8	26.1	22.3	21.7	20	21.9	20.6	17.1	70
75						33.4	34.3	33.6	32.5	32.1	30.8	28.3	25	21.4	20.8	19	21.1	20	16.4	75
80						30.2	31.3	30.4	29.3	28.9	27.8	27.1	23.9	20.5	19.8	18.1	20.3	19.3	15.7	80
85						27.9	28.5	27.7	26.8	26.2	26.1	25.6	22.8	19.7	18.8	17.1	19.5	18.6	15	85
90							26.2	25.3	24.4	24.6	24.1	23.1	21.8	18.9	17.9	16.2	18.8	17.9	14.3	90
95							24.1	23.1	22.8	22.5	21.9	20.9	20.5	18.2	17.1	15.5	18.1	17.2	13.6	95
100							20.6	21.3	21.3	20.8	20.2	19.8	18.8	17.4	16.3	14.8	17.4	16.5	12.9	100
105								19.6	20	19	18.5	18.1	17.3	16.8	15.5	14	16.7	15.9	12.2	105
110								18	18.4	17.4	16.9	16.8	16.1	15.6	14.8	13.3	15.6	15.3	11.6	110
115									17	16.5	16	15.4	15.1	14.2	13.9	12.5	14.2	14.4	11	115
120									15.8	15.3	14.9	14.1	13.9	13.7	12.9	11.9	12.9	13.1	10.4	120
125									14.7	14.2	13.7	13.2	12.7	12.9	11.9	11.2	11.8	11.9	9.8	125
130										13.4	12.6	12.4	11.6	11.8	11.3	10.6	10.7	10.8	9.4	130
135										12.5	12.1	11.4	10.7	10.8	10.3	10.1	9.8	9.9	8.9	135
140										10.9	11.3	10.5	9.8	9.9	9.5	9.6	9.1	9.2	8.5	140
145											10.5	9.7	9.1	9.2	8.8	9.1	8.4	8.5	8.1	145
150											9.8	9.1	8.5	8.6	8.2	8.5	7.8	7.9	7.8	150
155											6.3	8.5	7.9	8	7.6	8	7.2	7.3	7.3	155
160												8	7.4	7.5	7.1	7.4	6.6	6.8	6.7	160
165												7.6	6.9	7	6.6	6.9	6.2	6.3	6.2	165
170													6.5	6.6	6.1	6.5	5.7	5.8	5.8	170
175													6.1	6.1	5.7	6	5.2	5.4	5.3	175
180													5.3	5.7	5.3	5.6	4.7	4.9	4.9	180
185														5.3	4.8	5.2	4.3	4.5	4.4	185
190															3.7	4.8	3.9	4	3.9	190
195																	2	3.6	3.5	195
200																			3.1	200
205																			2.8	205

*** ± 0° over rear** · en arriere

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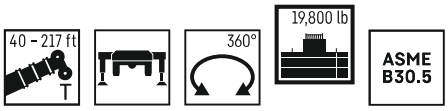
Lifting capacities
Forces de levage



	40 ft	54 ft	68 ft	81 ft	95 ft	108 ft	121 ft	135 ft	148 ft	162 ft	176 ft	189 ft	196 ft	199 ft	201 ft	202 ft	207 ft	217 ft	
10	189.6	163.6	161.9	159.4															10
11	189.6	163.6	161.9	159.4	106.5														11
12	189.6	163.6	161.9	159.4	144.7														12
13	189.6	163.6	161.9	159.4	144.3														13
14	189.6	163.6	161.9	159.4	144.3	106.9													14
15	187.1	163.6	161.9	159.4	144.3	114.9													15
16	180.6	163.6	161.9	159.4	144.3	114.9													16
17	172.9	163.6	161.5	158	144.3	114.9	97.6												17
18	165.9	161.9	159.5	154.5	144.3	114.9	97.6												18
19	159.3	159.4	156.1	149.4	142.2	114.9	97.6												19
20	153.1	153.3	150.7	144.4	138.6	114.8	97.6	75.5											20
22	138.2	138.8	137.2	135.5	128	113.4	97.6	75.5											22
24	124.6	125.8	125.5	122.6	114.1	108.3	97.6	75.5	61										24
26	113.3	114.5	114.7	110.4	105.4	101.2	95.3	75.4	61	48.7									26
28	103.7	105	105.2	102.6	99.6	94.4	88.6	74.7	61	48.7	38.3								28
30	95.4	97.3	98.2	95.4	91.8	86.6	81.5	73.2	61	48.7	38.3								30
32	88.1	90.1	90.4	87.8	84.5	79.9	75.2	71	60.5	48.7	38.3	31.2	27.7						32
34	64.1	83.2	83.5	81.4	78.4	74.1	69.7	66	59.6	48.7	38.3	31.2	27.6	26.5	25.8	25.3	23.4		34
36		76.5	78.3	76.2	72.8	69.1	64.9	62.4	58.5	48.6	38.3	31.2	27.4	26.4	25.7	25.3	23.4	20.2	36
38		70	71.9	71	67.9	64.5	60.6	59.8	56.7	48.2	38.3	31.2	27.3	26.2	25.5	25.2	23.3	20.1	38
40		64.4	66.3	66.3	63.7	60.4	57.9	56.6	53.3	47.7	38.2	31.2	27.1	26.1	25.3	25.1	23.2	20	40
45		53.2	55	55.5	54.6	51.8	51.7	48.9	46.9	44.3	37.3	30.8	26.6	25.6	24.7	24.8	23	19.8	45
50			46.6	47	46.7	47.3	45.1	43	41.1	39.3	36.1	30.1	26	25	23.9	24.4	22.7	19.4	50
55			40.1	40.5	40.2	41.5	39.9	38.1	36.7	35.2	33.4	29.2	25.2	24.4	22.9	23.9	22.3	19	55
60			35	35.3	36.7	36.2	35.3	34.4	33.4	32	30.3	28.2	24.3	23.6	22	23.3	21.8	18.5	60
65				31.1	32.4	31.9	31	31.2	30.2	29	27.8	26.1	23.3	22.7	21	22.6	21.3	17.8	65
70				28.7	28.9	28.4	27.9	28.2	27.3	26.4	25.2	23.6	22.3	21.7	20	21.9	20.6	17.1	70
75					25.9	25.4	25.5	25.1	24.6	23.7	23	21.8	20.7	20.4	19	20.6	19.9	16.4	75
80					23.4	22.8	23.2	22.6	22	21.6	21	20.1	18.9	18.7	18	18.6	18.5	15.7	80
85					21.2	20.5	20.9	20.3	20.1	19.7	19	18.1	17.5	17	16.9	16.8	16.8	15	85
90						19.3	18.9	18.3	18.1	17.9	17	16.2	16.3	15.8	15.9	15.1	15.2	14.3	90
95						17.8	17.2	17.1	16.5	16.1	15.2	14.5	14.6	14.1	14.5	13.5	13.6	13.2	95
100						16.3	15.6	15.6	14.9	14.5	13.7	12.9	13	12.5	12.9	11.9	12.1	12.1	100
105							14.2	14.2	13.5	13.1	12.3	11.5	11.7	11.2	11.6	10.6	10.7	10.7	105
110							13.1	12.9	12.3	11.9	11	10.3	10.5	10	10.3	9.5	9.6	9.6	110
115								11.8	11.1	10.7	10	9.4	9.5	9.1	9.4	8.6	8.7	8.7	115
120								10.8	10.1	9.8	9.1	8.5	8.7	8.2	8.5	7.8	7.9	7.9	120
125								10	9.4	9	8.4	7.8	7.9	7.5	7.8	7	7.1	7.1	125
130									8.7	8.3	7.7	7.1	7.2	6.8	7.1	6.4	6.5	6.4	130
135									8.1	7.7	7.1	6.5	6.6	6.2	6.5	5.7	5.8	5.8	135
140									7.6	7.2	6.5	5.9	6	5.6	5.9	5.2	5.3	5.2	140
145										6.6	6	5.4	5.5	5.1	5.4	4.6	4.7	4.7	145
150										6.2	5.5	4.9	5	4.6	4.9	4.1	4.2	4.2	150
155										5.8	5	4.4	4.5	4.1	4.4	3.5	3.7	3.7	155
160											4.6	3.9	4.1	3.5	4	3	3.2	3.2	160
165											4.1	3.4	3.6	3.1	3.5	2.5	2.7	2.7	165
170												3	3.1	2.6	3	2.1	2.3	2.2	170
175												2.6	2.7	2.2	2.6		1.8		175
180												2.2	2.3	1.8	2.2				180
185													2		1.9				185

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Lifting capacities
Forces de levage

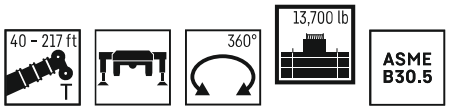


	40 ft	54 ft	68 ft	81 ft	95 ft	108 ft	121 ft	135 ft	148 ft	162 ft	176 ft	189 ft	196 ft	199 ft	201 ft	202 ft	207 ft	217 ft	
10	189.6	163.6	161.9	159.4															10
11	189.6	163.6	161.9	159.4	106.5														11
12	189.6	163.6	161.9	159.4	144.7														12
13	189.6	163.6	161.9	159.4	144.3														13
14	189.2	163.6	161.9	159.3	141.8	106.9													14
15	184.5	163.6	160	147.4	137.4	114.9													15
16	173.3	159.3	152.4	137	128.6	114.4													16
17	161	151.2	140.7	128.2	118.6	107.3	97.6												17
18	150.4	139.2	128.5	119.5	109.7	102.2	95.2												18
19	139.4	128.6	118.8	110.8	102.5	97.2	90.2												19
20	128.1	118.6	109.9	102.9	99.3	92	84.5	75.3											20
22	109	103.2	98.4	93.7	87.6	81.3	77.3	71											22
24	94.4	91.5	87.9	83.1	78	74.4	70.6	66.1	59.1										24
26	81.8	81.1	78.3	74.7	70.1	68.4	63.9	59.9	56.2	48.4									26
28	70.6	72.4	70.4	67.3	65.7	62.2	58.6	55.5	52.2	47.6	38.3								28
30	61.7	65.3	63.8	61.1	60.2	56.8	53.8	50.9	48	44.6	38.3								30
32	54.5	58.6	58.2	56.7	55.2	52.2	49.6	48.1	45.1	42.3	37.6	31.2	27.7						32
34	48.5	52.5	53.4	52.8	51	48.2	46.7	44.7	42.7	40.1	36.8	31.2	27.6	26.5	25.8	25.3	23.4		34
36		47.3	49.2	48.9	47.2	44.9	43.9	41.8	39.7	37.3	34.8	31.2	27.4	26.4	25.7	25.3	23.4	20.2	36
38		42.9	45	45.4	43.8	42.2	40.9	39	37.4	34.7	32.8	30	27.3	26.2	25.5	25.2	23.3	20.1	38
40		39.2	41.2	42.3	40.9	40	38.3	36.4	35	33	30.9	28.6	26.9	26.1	25.3	25.1	23.2	20	40
45		31.6	33.6	35.2	34.9	34.2	32.5	31.7	29.9	28.6	26.8	25.1	24.7	23.5	23.1	23.2	22.5	19.8	45
50			27.9	29.4	29.9	29.4	28.2	27.3	25.8	24.6	23	21.4	21.3	20.6	21	19.7	19.6	18.6	50
55			23.3	24.8	25.1	25.3	24.5	23.6	22.3	21.3	19.8	18.3	18.3	17.6	18	16.7	16.7	16.2	55
60			19.7	20.9	21.2	21.4	21.1	20.6	19.4	18.6	17.2	15.8	15.8	15.1	15.5	14.3	14.3	13.9	60
65				17.8	18.1	18.3	18	17.7	16.9	16.2	14.9	13.7	13.7	13	13.4	12.2	12.3	11.9	65
70				15.4	15.5	15.8	15.5	15.2	14.5	14	12.9	11.8	11.8	11.2	11.6	10.4	10.5	10.2	70
75					13.4	13.6	13.3	13.1	12.3	11.9	11	10.2	10.3	9.6	10.1	8.9	8.9	8.8	75
80					11.6	11.8	11.5	11.2	10.6	10.2	9.4	8.7	8.9	8.2	8.7	7.5	7.6	7.5	80
85					10.1	10.2	10	9.8	9.2	8.9	8.2	7.5	7.6	7	7.4	6.3	6.4	6.3	85
90						9.1	8.9	8.7	8.1	7.8	7.1	6.4	6.5	5.9	6.3	5.2	5.3	5.3	90
95						8.2	7.9	7.7	7.2	6.9	6.2	5.4	5.5	4.9	5.4	4.2	4.3	4.3	95
100						7.4	7.1	6.9	6.3	6	5.3	4.5	4.7	4.1	4.5	3.2	3.5	3.4	100
105							6.4	6.1	5.6	5.3	4.6	3.7	3.9	3.1	3.7	2.2	2.4	2.3	105
110							5.7	5.5	4.9	4.6	3.9	2.9	3	2.2	2.9				110
115								4.9	4.3	4	3.3	2	2.2		1.9				115
120								4.4	3.8	3.4	2.5								120
125								3.8	3.2	2.8									125
130									2.7	2.2									130
135									2.2										135
140									1.8										140

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Lifting capacities
Forces de levage

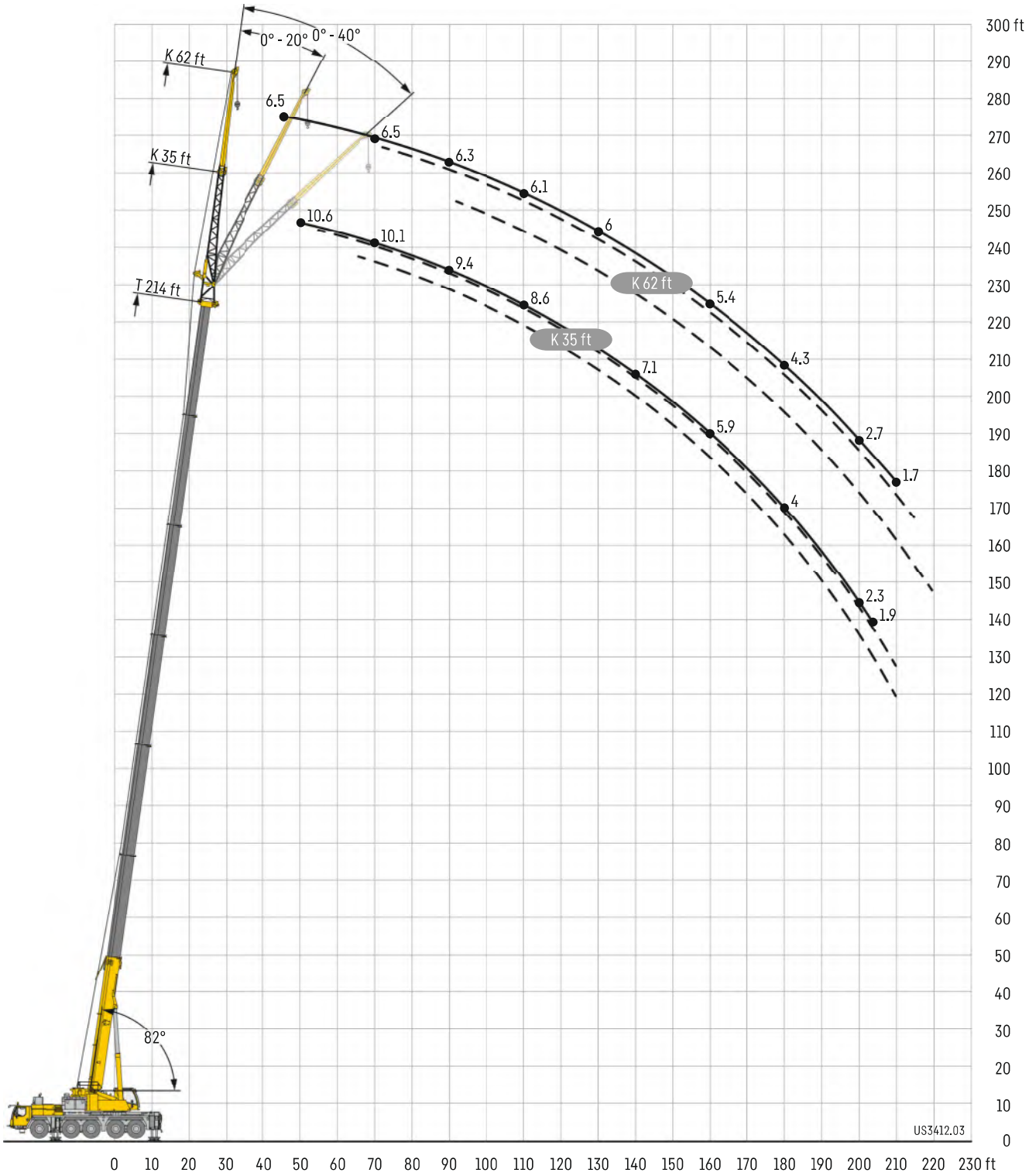
T



	40 ft	54 ft	68 ft	81 ft	95 ft	108 ft	121 ft	135 ft	148 ft	162 ft	176 ft	189 ft	196 ft	199 ft	201 ft	202 ft	207 ft	217 ft	
10	189.6	163.6	161.9	159.4															10
11	189.6	163.6	161.9	159.4	106.5														11
12	189.6	163.6	161.9	159.4	144.7														12
13	189.6	163.6	161.9	157.2	144.3														13
14	189	163.6	161.9	152.9	138.3	114.9													14
15	182.6	163.6	155.1	138.8	129.4	114.9													15
16	169.1	156	140.5	130	119.6	108.4													16
17	156.9	140.9	130.5	120.5	109.9	100.6	94.4												17
18	142.4	130.2	119.3	111.2	102.9	97.6	88.3												18
19	129.3	118.5	109.7	102.2	98.5	90.5	83.7												19
20	118.4	109.3	103.3	98.8	92	85.1	80.2	73.5											20
22	100.3	96.3	91.7	87	80.8	77.2	72.6	67.2											22
24	86.7	84.2	81	76.6	72.9	70	64.9	60.8	56.7										24
26	75.1	74.6	72.2	68.9	67.2	63.2	59.7	56.2	52.5	47.6									26
28	64.7	66.6	65	62.1	60.8	57.5	54.2	51.3	48.7	44.7	38.2								28
30	56.4	60	58.8	57.8	55.6	52.2	50.2	47.9	45	41.8	37.9								30
32	49.7	53.9	53.4	52.9	50.7	48	46.9	44.4	42	39.5	35.6	31.2	27.7						32
34	44.1	48.2	49	48.8	46.9	45.6	43.4	41	38.8	36.1	34.2	30.7	27.6	26.5	25.8	25.3			34
36		43.2	45.2	44.9	43.2	42.3	40.2	38.3	36.3	34.4	31.7	29	27.1	26.3	25.6	25.3	23.4	20.2	36
38		39.2	41.3	41.5	40.2	39.4	37.2	35.9	34	32.5	30.1	27.7	26.7	26	25.3	25.1	23.3	20.1	38
40		35.6	37.8	38.5	37.6	36.6	34.8	33.5	31.7	30.1	28.4	26.4	25.1	24.4	24.2	24.4	23.3	20	40
45		28.3	30.5	32.1	31.6	30.8	29.6	28.5	26.8	25.5	23.9	22.1	22.1	21.1	21.4	20.2	20.2	18.9	45
50			24.8	26.3	26.7	26.2	25.3	24.2	22.9	21.7	20.1	18.6	18.6	17.8	18.3	17.1	17	16.5	50
55			20.6	21.9	22.2	22.4	21.8	21	19.7	18.7	17.2	15.8	15.8	15.1	15.5	14.3	14.4	13.9	55
60			17.1	18.4	18.6	18.9	18.6	18.2	17	16.2	14.9	13.5	13.6	12.9	13.3	12	12.1	11.8	60
65				15.5	15.8	16	15.7	15.4	14.7	14	12.8	11.6	11.6	11	11.3	10.1	10.1	10	65
70				13.2	13.4	13.7	13.3	13.1	12.3	11.9	11	9.9	9.9	9.3	9.7	8.5	8.6	8.4	70
75					11.5	11.7	11.4	11.1	10.4	10.1	9.2	8.4	8.4	7.8	8.2	7	7.1	7	75
80					9.9	10	9.8	9.6	9	8.7	8	7	7.1	6.4	6.9	5.7	5.9	5.7	80
85					8.7	8.9	8.6	8.4	7.9	7.5	6.8	5.8	6	5.3	5.7	4.5	4.7	4.6	85
90						7.9	7.6	7.4	6.9	6.6	5.8	4.7	4.9	4.2	4.7	3.3	3.5	3.4	90
95						7	6.7	6.5	6	5.7	4.8	3.8	3.9	3.1	3.7	2.2	2.3	2.3	95
100						6.3	6	5.7	5.2	4.8	4	2.7	2.9	2.1	2.7				100
105							5.3	5	4.5	4.1	3.1	1.8	1.9						105
110							4.7	4.4	3.9	3.5	2.1								110
115								3.8	3.2	2.8									115
120								3.2	2.5	2									120
125								2.7	1.8										125

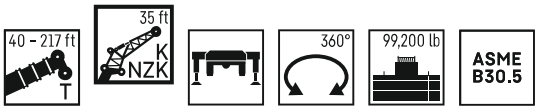
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Lifting heights
Hauteurs de levage



Lifting capacities
Forces de levage

TK/TNZK

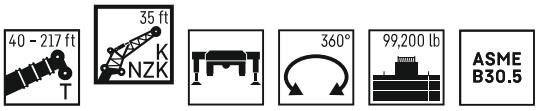


	40 ft			121 ft			135 ft			148 ft			162 ft			176 ft			
	35 ft																		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
10	40.3																		10
11	40.3																		11
12	40.3																		12
13	40.3																		13
14	40.3																		14
15	40.3																		15
16	40.3	35.9																	16
17	40.3	35.3																	17
18	40	34.7																	18
19	39.6	34.1																	19
20	38.9	33.4																	20
22	37.4	31.5																	22
24	35.3	29.9	22.4																24
26	33.1	28.4	21.6	40.3															26
28	30.9	27	20.9	40.3															28
30	28.9	25.8	20.2	40.3	35.4														30
32	27	24.7	19.6	40.3	34.8		38.9												32
34	25.4	23.6	19.1	40.3	34.2		38.6	32.2		24.6									34
36	23.9	22.7	18.6	40.3	33.6		38.3	31.8		24.4			19						36
38	22.5	21.9	18.1	40.3	32.8	21.9	37.9	31.4		32.4	28.5		27.7			18.5			38
40	21.3	21.1	17.7	40.3	32	21.5	37.5	30.9		32.2	28.2		27.5			18.4			40
45	18.7	19.4	16.8	39.8	30	20.7	36.3	29.7	20.7	31.5	27.3	20.2	27.2	24.8		22.3	20.7		45
50	16.6	18	16.1	38.1	28.2	20	35.1	28.2	20	30.8	26.5	19.6	26.8	24.3	19.4	21.9	20.5		50
55	14.9	16.9	15.7	35.9	26.6	19.4	33.9	26.7	19.4	30.1	25.7	19.1	26.4	23.7	18.9	21.5	20.4	18.4	55
60	13.5	16	15.6	33.2	25.2	18.7	32.6	25.4	18.8	29.3	24.7	18.6	25.8	23.2	18.4	21	20.2	18	60
65	12.3	15.5	11.4	30.5	24	18.2	30.8	24.2	18.3	28.6	23.6	18.1	25.2	22.7	17.9	20.6	20	17.6	65
70				28.1	22.9	17.7	28.7	23.2	17.9	27.6	22.7	17.7	24.4	22.1	17.6	20.1	19.7	17.2	70
75				26	21.9	17.3	26.8	22.2	17.4	26	21.9	17.3	23.3	21.5	17.2	19.6	19.2	16.9	75
80				24.1	21	16.9	25	21.4	17.1	24.5	21.1	17	22.3	20.8	16.9	18.9	18.5	16.7	80
85				22.4	20.2	16.6	23.3	20.6	16.7	23.2	20.4	16.7	21.2	20.2	16.6	18.2	17.8	16.4	85
90				21	19.4	16.3	21.1	19.9	16.4	21.5	19.7	16.4	20.3	19.6	16.3	17.4	17.1	16.2	90
95				19.6	18.7	16	18.9	19.2	16.2	19.5	19.1	16.2	19	19	16.1	16.7	16.4	16	95
100				17.6	18.1	15.8	17	18	16	17.5	18.5	15.9	17.3	18.2	15.9	15.9	15.7	15.6	100
105				15.9	16.8	15.6	15.3	16.3	15.8	15.8	16.8	15.8	15.5	16.6	15.8	15.2	15.1	15.1	105
110				14.9	15.1	15.5	13.7	14.6	15.1	14.2	15.2	15.6	14	15	15.3	13.9	14.4	14.6	110
115				14.3	13.7	14.1	12.3	13.1	13.7	12.8	13.7	14.3	12.6	13.5	14.2	12.6	13.5	13.9	115
120				13.7	13.1	13	11.1	11.8	12.3	11.6	12.3	12.9	11.6	12.2	12.8	11.5	12.2	12.8	120
125				13.2	12.7	12.7	10.7	10.6	11	10.9	11.1	11.6	11.1	10.9	11.5	11.1	10.9	11.5	125
130				12.7	12.3	12.5	10.3	10	10	10.4	10.2	10.4	10.5	10.4	10.3	10.7	10.3	10.4	130
135				12	12	11.3	9.9	9.7	9.8	9.9	9.9	9.9	10	10.1	10	9.9	10	10	135
140				11.1	11.3		9.6	9.5	9.6	9.5	9.6	9.7	9.6	9.7	9.8	9.2	9.6	9.8	140
145				10.3	10.4		9.4	9.3	9.4	9.2	9.2	9.4	9	9.3	9.5	8.5	8.9	9.2	145
150				4.6			9.1	9.1	8.8	8.8	8.9	9	8.4	8.7	8.9	8	8.3	8.5	150
155							8.9	8.9		8.5	8.6	8.7	7.8	8.1	8.3	7.7	7.8	7.9	155
160							8.5	8.6		8	8.2	8.3	7.3	7.6	7.7	7.3	7.5	7.6	160
165										7.6	7.7		6.9	7	7.1	6.8	7.1	7.2	165
170										7.1	7.2		6.7	6.8	6.9	6.3	6.6	6.7	170
175										5.5			6.5	6.5	6.6	5.9	6.1	6.2	175
180													6.2	6.3		5.5	5.7	5.7	180
185													5.8	5.9		5.1	5.3	5.3	185
190													2.6			4.6	4.8		190
195																4.2	4.3		195
200																3.8	3.9		200

maxt_286_003_00001_00_000

Lifting capacities
Forces de levage

TK/TNZK

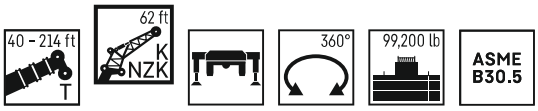


	189 ft			201 ft			202 ft			214 ft			217 ft			
							35 ft									
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
45	16.6			12.1												45
50	16.5	16.6		12	12.1		13.1	13.2		10.6			10.3			50
55	16.4	16.3		11.9	11.9		13.1	13		10.5	10.6		10.2	10.3		55
60	16.2	16	15.8	11.7	11.7	11.7	12.9	12.7	12.6	10.4	10.5		10.1	10.2		60
65	16	15.8	15.6	11.4	11.4	11.5	12.8	12.5	12.5	10.2	10.3	10.3	10	10	10.1	65
70	15.7	15.4	15.3	11.1	11.1	11.2	12.6	12.4	12.4	10.1	10.1	10.2	9.9	9.9	10	70
75	15.3	15	14.8	10.8	10.7	10.9	12.3	12.1	12.2	9.9	9.9	10.1	9.7	9.8	9.9	75
80	15	14.6	14.4	10.5	10.4	10.5	12.1	11.9	11.9	9.7	9.7	9.9	9.6	9.6	9.7	80
85	14.5	14.2	13.9	10.2	10.1	10.2	11.8	11.6	11.5	9.6	9.5	9.7	9.4	9.4	9.5	85
90	14.1	13.7	13.5	9.9	9.8	9.9	11.5	11.2	11.2	9.4	9.3	9.4	9.2	9.2	9.3	90
95	13.6	13.3	13.1	9.7	9.6	9.6	11.2	10.9	10.8	9.2	9.1	9.2	9	9	9.1	95
100	13.1	12.8	12.7	9.4	9.3	9.4	10.8	10.5	10.5	9	8.9	9	8.8	8.8	8.9	100
105	12.6	12.4	12.4	9.1	9.1	9.1	10.5	10.2	10.2	8.8	8.7	8.8	8.6	8.6	8.7	105
110	12.1	12	12	8.9	8.8	8.9	10.2	9.9	9.9	8.6	8.5	8.6	8.3	8.4	8.5	110
115	11.7	11.5	11.6	8.6	8.6	8.6	9.9	9.7	9.7	8.3	8.3	8.4	8	8.2	8.3	115
120	11.2	11.1	11.2	8.3	8.3	8.4	9.6	9.4	9.5	8.1	8.1	8.2	7.6	7.9	8.1	120
125	10.5	10.7	10.8	8.1	8.1	8.2	9.4	9.2	9.2	7.9	7.9	8	7.4	7.6	7.8	125
130	9.6	10.2	10.4	7.8	7.8	7.9	9.1	9	9	7.6	7.7	7.8	7.1	7.3	7.5	130
135	8.9	9.4	9.8	7.5	7.6	7.7	8.8	8.8	8.8	7.4	7.4	7.6	6.8	7	7.2	135
140	8.7	8.6	9	7.2	7.3	7.5	8.3	8.6	8.6	7.1	7.2	7.3	6.5	6.7	6.9	140
145	8.4	8.4	8.5	7	7.1	7.2	7.7	8.1	8.4	6.9	7	7.1	6.2	6.4	6.6	145
150	7.8	8.2	8.3	6.7	6.8	7	7.1	7.6	7.9	6.7	6.8	6.9	5.9	6.1	6.3	150
155	7.2	7.6	7.9	6.4	6.5	6.7	6.5	7	7.3	6.4	6.5	6.7	5.6	5.8	6	155
160	6.7	7.1	7.3	6.1	6.3	6.4	6	6.4	6.7	5.9	6.3	6.4	5.4	5.6	5.7	160
165	6.2	6.5	6.7	5.9	6	6.1	5.5	5.9	6.1	5.4	5.8	6.1	5.1	5.3	5.4	165
170	5.7	6.1	6.2	5.6	5.8	5.9	5	5.4	5.6	4.9	5.3	5.6	4.8	5	5.2	170
175	5.3	5.6	5.7	5.2	5.5	5.6	4.5	4.9	5.1	4.5	4.9	5.1	4.4	4.7	4.9	175
180	4.9	5.1	5.3	4.8	5.1	5.2	4	4.4	4.6	4	4.4	4.6	3.9	4.3	4.5	180
185	4.4	4.7	4.8	4.3	4.7	4.8	3.5	3.9	4.1	3.5	3.9	4.2	3.4	3.8	4.1	185
190	3.9	4.2	4.3	3.9	4.2	4.4	3.1	3.4	3.6	3.1	3.5	3.7	3	3.4	3.6	190
195	3.5	3.8	3.8	3.5	3.8	3.9	2.7	3	3.1	2.7	3	3.2	2.5	2.9	3.1	195
200	3.1	3.3	3.3	3.1	3.3	3.4	2.3	2.6	2.6	2.3	2.6	2.7	2.1	2.5	2.6	200
205	2.8	2.9		2.7	2.9	3	1.9	2.1	2.2	1.9	2.2	2.3	1.6	2.1	2.2	205
210	2.4	2.5		2.4	2.6	2.6	1.6	1.8	1.8		1.8	1.9			1.7	210
215	1.7			2	2.2		1.1	1.4								215
220				1.7	1.8											220

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Lifting capacities
Forces de levage

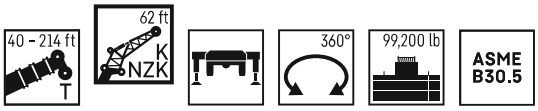
TK/TNZK



	40 ft			121 ft			135 ft			148 ft			162 ft			176 ft			
	62 ft																		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
16	15.7																		16
17	15.6																		17
18	15.4																		18
19	15.2																		19
20	15																		20
22	14.6																		22
24	14.1																		24
26	13.7			16.3															26
28	13.2			16.2															28
30	12.8	10.6		16.1			15.3												30
32	12.4	10.3		15.9			15.2												32
34	12	10		15.7			15			13.8									34
36	11.6	9.7		15.5			14.9			13.7									36
38	11.2	9.4		15.2			14.7			13.6			12.5						38
40	10.9	9.2		15			14.5			13.4			12.4			11.1			40
45	10.1	8.8	7.8	14.4	10.3		14	10.3		13.1			12.2			10.9			45
50	9.4	8.4	7.5	13.7	10		13.5	9.9		12.8	9.7		12			10.8			50
55	8.9	8	7.3	13.1	9.6		13	9.6		12.4	9.5		11.7	9.3		10.7			55
60	8.4	7.7	7.1	12.5	9.4	7.7	12.4	9.3		12	9.2		11.4	9.1		10.5	8.8		60
65	7.8	7.5	6.9	12	9.1	7.6	11.9	9.1	7.6	11.5	9	7.5	11.1	8.9		10.3	8.7		65
70	7.2	7.2	6.8	11.4	8.8	7.4	11.5	8.9	7.4	11.1	8.8	7.4	10.8	8.7	7.3	10.1	8.5		70
75	6.7	7	6.8	10.9	8.6	7.3	11	8.7	7.3	10.7	8.6	7.3	10.4	8.5	7.2	9.9	8.3	7.2	75
80	6.2	6.9	6.8	10.4	8.4	7.2	10.6	8.4	7.2	10.4	8.4	7.2	10.1	8.3	7.1	9.7	8.2	7.1	80
85	5.8	6.9	6.8	10	8.2	7.1	10.2	8.3	7.1	10	8.2	7.1	9.9	8.2	7.1	9.5	8	7	85
90	5.5	6.8	6.8	9.7	8	7	9.8	8.1	7.1	9.7	8	7	9.6	8	7	9.3	7.9	6.9	90
95	5.2	6.7		9.4	7.9	7	9.5	7.9	7	9.5	7.9	7	9.4	7.9	6.9	9.1	7.8	6.9	95
100				9.1	7.7	6.9	9.3	7.8	6.9	9.2	7.8	6.9	9.2	7.7	6.9	8.9	7.6	6.9	100
105				8.8	7.6	6.9	9	7.6	6.9	9	7.6	6.9	9	7.6	6.8	8.7	7.5	6.8	105
110				8.6	7.4	6.8	8.8	7.5	6.8	8.8	7.5	6.8	8.8	7.5	6.8	8.6	7.4	6.8	110
115				8.3	7.3	6.8	8.5	7.4	6.8	8.6	7.4	6.8	8.6	7.4	6.8	8.4	7.3	6.7	115
120				7.9	7.2	6.8	8.2	7.3	6.8	8.4	7.3	6.8	8.4	7.3	6.7	8.3	7.2	6.7	120
125				7.6	7.1	6.8	8	7.2	6.8	8.1	7.2	6.7	8.2	7.2	6.7	8.1	7.2	6.7	125
130				7.3	7	6.8	7.7	7.1	6.8	7.9	7.1	6.7	8	7.1	6.7	7.9	7.1	6.7	130
135				7	7	6.8	7.4	7	6.8	7.6	7.1	6.7	7.8	7.1	6.7	7.8	7	6.7	135
140				6.8	6.9	6.8	7.1	7	6.8	7.3	7	6.7	7.5	7	6.7	7.5	7	6.6	140
145				6.5	6.9	6.8	6.9	6.9	6.8	7.1	6.9	6.7	7.3	6.9	6.7	7.3	6.9	6.6	145
150				6.3	6.8	6.8	6.6	6.9	6.8	6.9	6.9	6.7	7.1	6.9	6.7	7.1	6.8	6.6	150
155				6.1	6.8	6.8	6.4	6.8	6.8	6.7	6.8	6.7	6.7	6.8	6.7	6.7	6.8	6.6	155
160				5.9	6.8	6.8	6.1	6.7	6.7	6.4	6.8	6.7	6.4	6.7	6.7	6.6	6.8	6.6	160
165				5.7	6.8	6.8	5.8	6.4	6.6	6	6.5	6.7	6.2	6.6	6.7	6.4	6.6	6.6	165
170				5.6	6.8		5.7	6.3	6.6	5.9	6.4	6.6	6.1	6.5	6.6	6.2	6.5	6.6	170
175				5.4			5.6	6.2	6.6	5.8	6.3	6.5	6	6.3	6.5	5.8	6.3	6.5	175
180							5.5	6.1		5.7	6.2	6.4	5.8	6.2	6.4	5.7	5.9	6.2	180
185							5.4	6.1		5.6	6.1	6.4	5.6	6	6.1	5.4	5.6	5.8	185
190							3.5			5.5	6	6.1	5.2	5.6	5.7	5	5.4	5.6	190
195										5.4	5.7		5	5.1	5.2	4.7	5.1	5.2	195
200										5.1	2.8		4.8	4.9	5.1	4.3	4.7	4.8	200
205													4.7	4.8		3.9	4.3	4.4	205
210													4.3	4.5		3.6	3.9	3.9	210
215													3.3			3.2	3.5	3.5	215
220																2.9	3.1		220
225																2.6	2.8		225

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Lifting capacities
Forces de levage

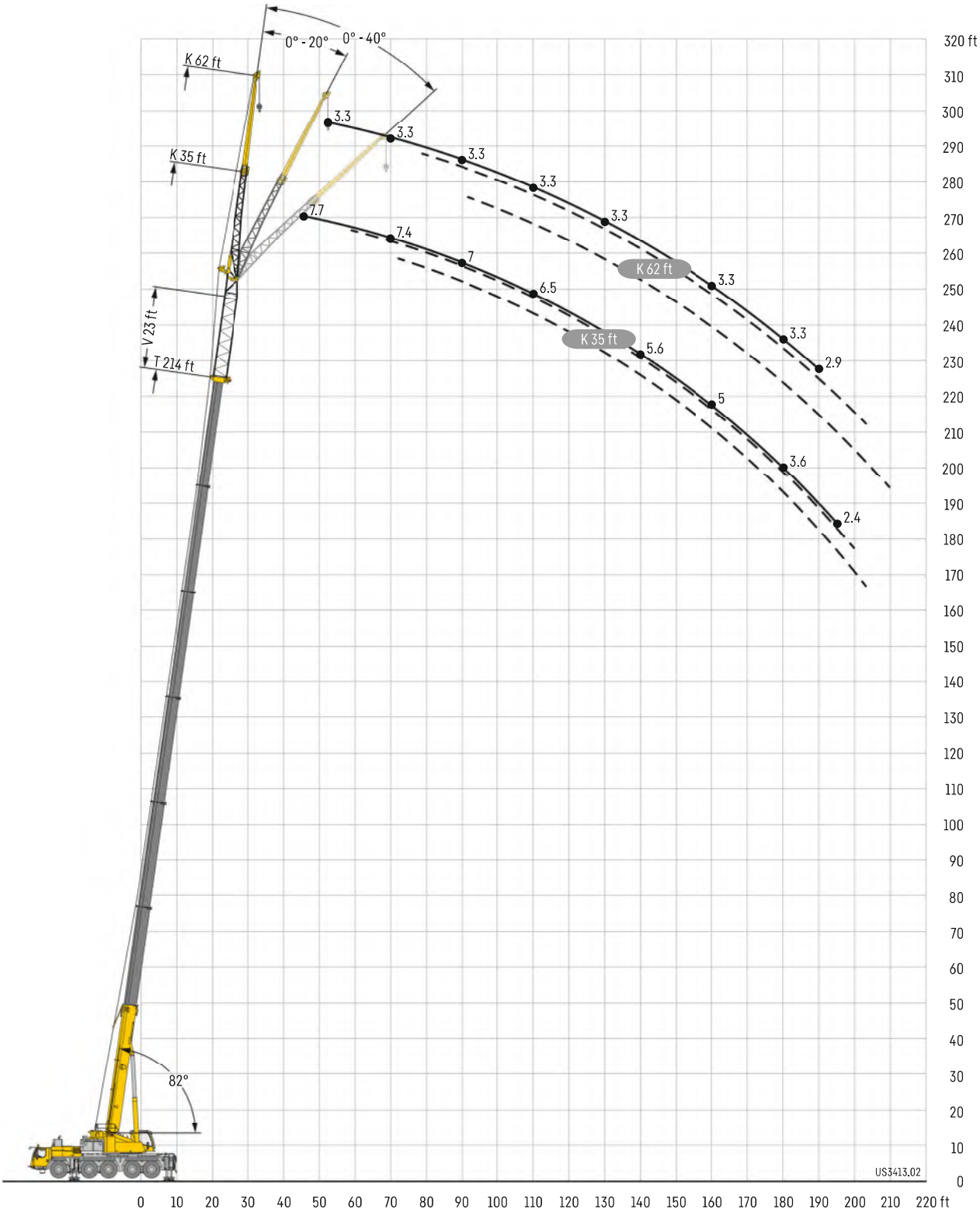


	189 ft			201 ft			202 ft			214 ft			
	62 ft												
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
45	9.6									6.5			45
50	9.6			7.9			8.4			6.5			50
55	9.5			7.8			8.3			6.5			55
60	9.4	8.5		7.6			8.1			6.5			60
65	9.4	8.4		7.4	7		8	7.5		6.5			65
70	9.3	8.2		7.3	7		7.8	7.4		6.5	6.4		70
75	9.2	8.1		7.1	7		7.7	7.4		6.5	6.3		75
80	9	7.9	7	7.1	6.9		7.6	7.3		6.5	6.3		80
85	8.9	7.8	6.9	7	6.9	6.7	7.5	7.3	6.8	6.4	6.3		85
90	8.8	7.7	6.9	6.9	6.9	6.7	7.4	7.3	6.7	6.3	6.3	6.2	90
95	8.7	7.6	6.8	6.8	6.9	6.6	7.3	7.3	6.7	6.2	6.3	6.2	95
100	8.5	7.5	6.8	6.8	6.8	6.6	7.3	7.2	6.6	6.2	6.3	6.2	100
105	8.4	7.4	6.7	6.7	6.8	6.6	7.2	7.1	6.6	6.1	6.3	6.2	105
110	8.3	7.3	6.7	6.7	6.8	6.5	7.1	7.1	6.6	6.1	6.3	6.2	110
115	8.1	7.2	6.7	6.7	6.8	6.5	7.1	7	6.5	6	6.2	6.2	115
120	8	7.1	6.6	6.6	6.7	6.5	7	6.9	6.5	6	6.2	6.2	120
125	7.9	7.1	6.6	6.6	6.6	6.5	7	6.9	6.5	6	6.2	6.2	125
130	7.8	7	6.6	6.4	6.5	6.5	7	6.8	6.5	6	6.2	6.2	130
135	7.6	6.9	6.6	6.3	6.3	6.4	6.9	6.8	6.5	5.9	6.1	6.2	135
140	7.4	6.9	6.6	6.1	6.1	6.3	6.9	6.7	6.5	5.8	6	6.1	140
145	7.2	6.8	6.6	5.9	6	6.1	6.8	6.6	6.5	5.8	5.8	6	145
150	7	6.8	6.6	5.8	5.8	6	6.6	6.5	6.5	5.6	5.7	5.9	150
155	6.7	6.8	6.6	5.6	5.7	5.8	6.5	6.4	6.4	5.5	5.6	5.7	155
160	6.4	6.7	6.6	5.5	5.5	5.7	6.2	6.3	6.4	5.4	5.4	5.6	160
165	6.2	6.4	6.6	5.3	5.4	5.6	5.8	6.2	6.3	5.2	5.3	5.5	165
170	6	6	6.4	5.1	5.3	5.4	5.3	6	6.1	5	5.2	5.4	170
175	5.6	5.9	6	4.9	5.1	5.3	4.9	5.6	5.9	4.7	5	5.2	175
180	5.2	5.7	5.9	4.7	4.9	5.1	4.5	5.2	5.6	4.3	4.9	5.1	180
185	4.8	5.4	5.7	4.5	4.7	4.9	4.1	4.7	5.1	3.9	4.7	4.9	185
190	4.4	4.9	5.2	4.3	4.5	4.7	3.6	4.3	4.7	3.5	4.2	4.6	190
195	4	4.6	4.8	3.9	4.3	4.5	3.2	3.9	4.3	3.1	3.8	4.2	195
200	3.6	4.2	4.4	3.5	4.1	4.3	2.8	3.4	3.8	2.7	3.4	3.8	200
205	3.2	3.7	4	3.1	3.7	4	2.4	3	3.3	2.3	3	3.4	205
210	2.9	3.3	3.5	2.8	3.3	3.5	2	2.6	2.9	1.7	2.6	2.9	210
215	2.5	2.9	3.1	2.4	2.9	3.1	1.7	2.2	2.4		2.2	2.5	215
220	2.2	2.6	2.6	2.1	2.5	2.7		1.9	2			2.1	220
225	1.9	2.2	2.2	1.5	2.2	2.3		1.5	1.6				225
230	1.6	1.9			1.7	1.9							230
235	1.4	1.5											235

maxt_286_003_01001_00_000

Lifting heights
Hauteurs de levage

TVK/TVNZK



Lifting capacities
Forces de levage

TVK/TVNZK



	40 ft + 23 ft			121 ft + 23 ft			135 ft + 23 ft			148 ft + 23 ft			162 ft + 23 ft			176 ft + 23 ft			189 ft + 23 ft			202 ft + 23 ft			214 ft + 23 ft			
	35 ft																											
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
10	33.3																											10
11	32.9																											11
12	32.4																											12
13	31.9																											13
14	31.4																											14
15	30.9																											15
16	30.4																											16
17	29.9																											17
18	29.3																											18
19	28.7																											19
20	28.1	25.8																										20
22	27	24.8		33.5																								22
24	25.8	23.7		33																								24
26	24.7	22.8		32.5			28.6																					26
28	23.8	21.9	20.4	32			28.3			17																		28
30	22.8	21	19.7	31.4			28			23.9			18.7															30
32	21.9	20.2	19	30.9			27.6			23.7			18.6															32
34	21	19.5	18.3	30.3	25.4		27.3			23.4			18.5			14.8												34
36	20.2	18.8	17.7	29.7	24.9		26.8			23.2			18.3			14.8			11.6									36
38	19.5	18.1	17.1	29.1	24.3		26.4	22.9		22.9			18.2			14.8			11.6									38
40	18.8	17.5	16.6	28.4	23.7		25.9	22.4		22.7			18.1			14.8			11.6			9.1						40
45	17.2	16.1	15.3	26.8	22.4	19.4	24.8	21.3		22	19.6		17.8	16.7		14.7			11.6			9.1			7.7			45
50	15.8	14.9	14.3	25.3	21.2	18.5	23.7	20.3	18	21.2	18.8		17.4	16.3		14.5	14		11.5	11.5		9.1			7.7			50
55	14.5	13.8	13.4	23.8	20.1	17.7	22.6	19.4	17.2	20.5	18.1	16.3	17	15.8	14.8	14.3	13.7		11.5	11.3		9.1	9.2		7.6			55
60	13.3	12.8	12.5	22.6	19.1	16.9	21.5	18.5	16.5	19.7	17.4	15.8	16.6	15.4	14.4	14	13.4	12.9	11.4	11.1		9.1	9.1		7.6	7.6		60
65	12.3	11.8	11.7	21.3	18.2	16.3	20.5	17.8	15.9	19	16.8	15.2	16.2	14.9	14	13.8	13.1	12.6	11.3	11	10.7	9	8.9	8.6	7.5	7.5		65
70	11.4	11	11	20.2	17.4	15.6	19.6	17	15.3	18.3	16.2	14.7	15.8	14.5	13.6	13.5	12.9	12.3	11.1	10.8	10.6	8.9	8.8	8.6	7.4	7.4	7.3	70
75	10.6	10.4	10.4	19.2	16.6	15	18.7	16.3	14.8	17.6	15.6	14.2	15.3	14.1	13.2	13.3	12.6	12	10.9	10.6	10.5	8.8	8.7	8.6	7.3	7.4	7.3	75
80	9.9	9.8	9.9	18.2	15.9	14.4	17.9	15.6	14.3	16.9	15	13.8	14.9	13.7	12.8	13	12.3	11.8	10.6	10.4	10.3	8.7	8.6	8.5	7.2	7.3	7.3	80
85	9.4	9.3	9.7	17.3	15.2	13.9	17.1	15	13.8	16.2	14.5	13.4	14.4	13.3	12.5	12.7	12	11.5	10.4	10.2	10.1	8.6	8.5	8.5	7.1	7.2	7.2	85
90	9	9.1		16.5	14.6	13.5	16.4	14.5	13.4	15.6	14	13	14.1	12.9	12.2	12.4	11.7	11.3	10.2	10	9.9	8.4	8.4	8.3	7	7	7.1	90
95				15.8	14	13	15.7	13.9	13	15	13.5	12.6	13.7	12.5	11.9	12.1	11.4	11.1	9.9	9.7	9.7	8.3	8.2	8.1	6.9	6.9	7	95
100				15.1	13.4	12.6	15	13.4	12.5	14.4	13	12.2	13.3	12.2	11.6	11.8	11.2	10.8	9.7	9.5	9.4	8.1	8	8	6.7	6.8	6.9	100
105				14.4	12.9	12.2	14.4	12.9	12.1	13.9	12.5	11.8	12.9	11.9	11.3	11.4	10.9	10.6	9.4	9.2	9.2	7.9	7.8	7.8	6.6	6.6	6.7	105
110				13.7	12.4	11.8	13.7	12.4	11.8	13.3	12.1	11.5	12.5	11.6	11.1	10.9	10.6	10.4	9.2	9	9	7.7	7.6	7.6	6.5	6.5	6.6	110
115				13	11.9	11.4	12.6	12	11.4	12.3	11.7	11.2	12.1	11.3	10.9	10.5	10.4	10.2	8.9	8.8	8.7	7.5	7.4	7.5	6.3	6.3	6.4	115
120				12	11.5	11.1	12.1	11.5	11.1	11	11.3	10.9	11.2	11	10.6	10.1	10.1	10	8.7	8.5	8.5	7.3	7.2	7.3	6.2	6.2	6.3	120
125				11.3	11.1	10.8	11.6	10.9	10.8	10.1	10.7	10.6	10.1	10.7	10.4	9.7	9.7	9.8	8.5	8.3	8.3	7.1	7.1	7.1	6	6	6.1	125
130				10.8	10.4	10.4	10.9	10.4	10.3	9.6	9.7	10.1	9.2	9.8	10.2	9.2	9.4	9.5	8.2	8.1	8.1	6.9	6.9	6.9	5.9	5.9	6	130
135				10.3	9.9	9.9	10	10.1	10	9.2	9.3	9.4	8.4	9	9.4	8.5	9	9.2	8	7.9	7.9	6.8	6.7	6.7	5.7	5.7	5.8	135
140				9.9	9.7	9.8	9.2	9.6	9.7	8.8	8.9	9	8	8.2	8.6	7.8	8.3	8.7	7.7	7.7	7.7	6.6	6.6	6.6	5.6	5.6	5.7	140
145				9.4	9.5	9.6	8.5	8.9	9.1	8.2	8.5	8.6	7.7	7.7	7.8	7.1	7.6	8	7.3	7.5	7.6	6.4	6.4	6.4	5.4	5.4	5.5	145
150				8.9	9.1	9.2	7.9	8.3	8.4	7.6	8	8.2	7.4	7.4	7.5	6.5	7	7.3	6.7	7.1	7.4	6.3	6.2	6.3	5.3	5.3	5.4	150
155				8.3	8.5	8.5	7.3	7.7	7.8	7	7.4	7.6	7.1	7.2	7.2	6.1	6.4	6.7	6.2	6.6	6.9	6.1	6.1	6.1	5.1	5.2	5.3	155
160				7.8	7.9	7.9	6.8	7.1	7.2	6.5	6.8	7	6.8	6.9	7	6	5.9	6.1	6	6	6.3	5.7	5.9	6	5	5	5.1	160
165				7.3	7.4		6.3	6.5	6.6	6.3	6.3	6.4	6.3	6.6	6.7	5.8	5.8	5.8	5.8	5.8	5.9	5.2	5.6	5.8	4.8	4.9	5	165
170				6.3			5.9	6	6.1	6.2	6.1	6.2	5.8	6.1	6.3	5.6	5.6	5.7	5.5	5.7	5.7	4.8	5.2	5.5	4.5	4.7	4.8	170
175							5.8	5.8		6	5.9	6.1	5.4	5.7	5.8	5.4	5.5	5.5	5	5.4	5.5	4.3	4.7	5	4	4.5	4.6	175
180							5.6	5.7		5.6	5.8	5.8	5.1	5.2	5.3	5.2	5.3	5.4	4.6	4.9	5.1	3.8	4.3	4.5	3.6	4	4.3	180
185							4.4			5.2	5.4	5.4	4.9	5	5	4.8	5.1	5.2	4.2	4.5	4.7	3.3	3.8	4	3.2	3.6	3.9	185
190										4.7	4.9		4.7	4.8	4.8	4.4	4.7	4.8	3.7	4.1	4.2	2.9	3.3	3.5	2.8	3.2	3.4	190
195										4.3	4.4		4.5	4.6	4.6	4	4.2	4.3	3.3	3.6	3.8	2.5	2.8	3.1	2.4	2.8	3	195
200													4.3	4.4		3.6	3.8	3.9	2.9	3.2	3.3	2.1	2.4	2.6		2.4	2.6	200
205													3.9	4		3.2	3.4	3.4	2.5	2.8	2.9		2	2.2			2.2	205
210													3.4			2.8	3	3	2.1	2.4	2.5							210
215																2.5	2.6		1.8	2	2.1							215
220																2.2	2.3											220

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Lifting capacities
Forces de levage

TVK/TVNZK



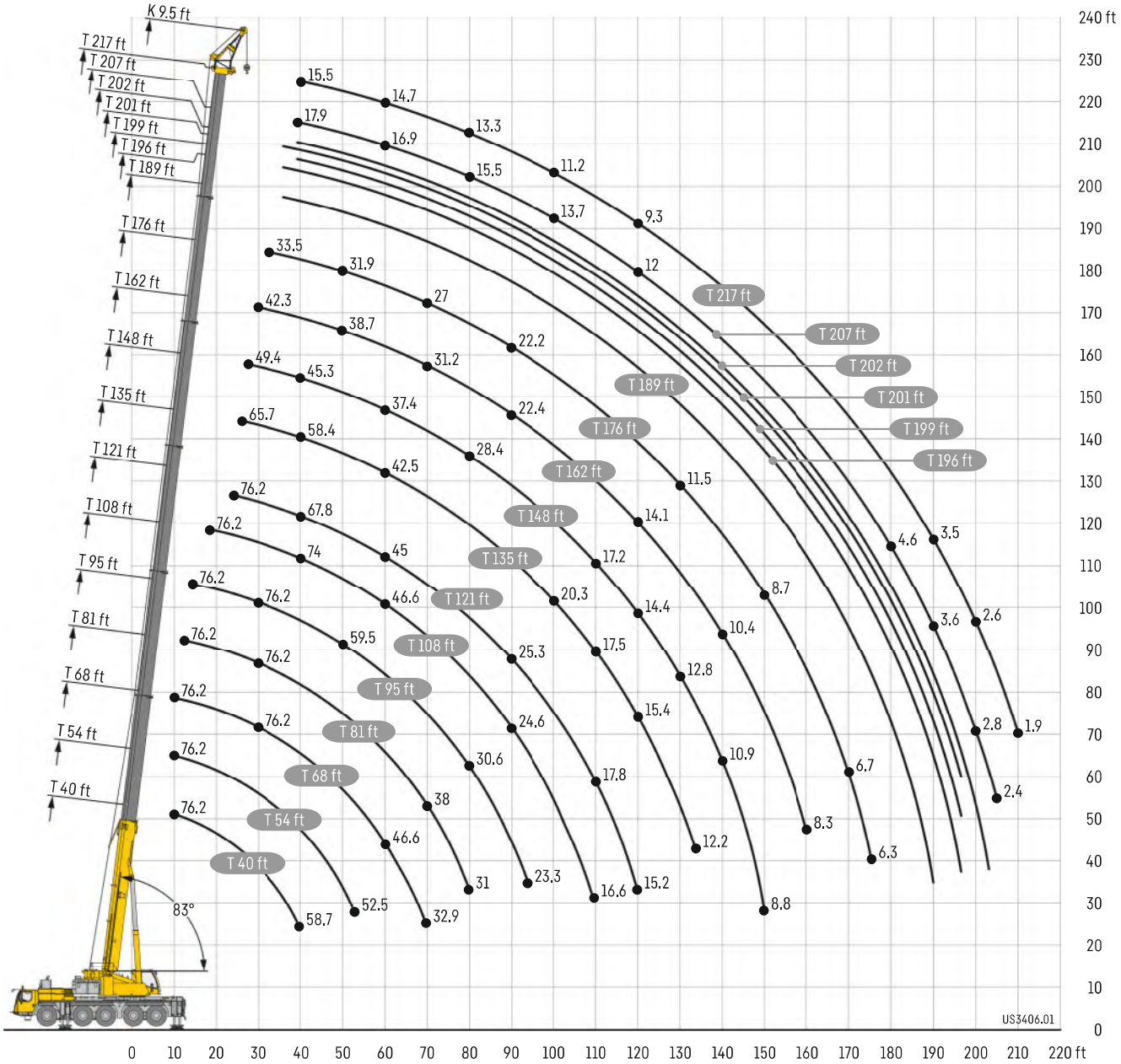
	40 ft + 23 ft			121 ft + 23 ft			135 ft + 23 ft			148 ft + 23 ft			162 ft + 23 ft			176 ft + 23 ft			189 ft + 23 ft			202 ft + 23 ft			214 ft + 23 ft			
	62 ft																											
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°*	40°*	
15	12.7																											15
16	12.7																											16
17	12.7																											17
18	12.7																											18
19	12.7																											19
20	12.7																											20
22	12.7																											22
24	12.7																											24
26	12.7																											26
28	12.7																											28
30	12.7																											30
32	12.6			14.3																								32
34	12.4	10.2		14.2																								34
36	12.1	9.9		14.1			13.2																					36
38	11.8	9.7		14			13.1																					38
40	11.5	9.5		13.9			13			11.8																		40
45	10.9	9.1		13.5			12.8			11.7			10.3															45
50	10.2	8.7	7.6	13.2	9.9		12.5	9.8		11.5			10.2			9.1						5.1						50
55	9.7	8.4	7.4	12.7	9.6		12.2	9.6		11.3	9.4		10.1			9			7.6			5.1			3.3			55
60	9.2	8.1	7.2	12.3	9.4		11.9	9.3		11.1	9.1		10	8.8		9			7.6			5.1			3.3			60
65	8.8	7.8	7.1	11.8	9.2	7.6	11.5	9.1		10.9	8.9		9.9	8.7		8.9	8.3		7.5	6.9		5.1			3.3			65
70	8.5	7.6	7	11.4	8.9	7.4	11.1	8.9	7.4	10.6	8.7	7.3	9.7	8.5		8.8	8.2		7.4	6.8		5.1	5.6		3.3			70
75	8.1	7.4	6.9	11	8.7	7.3	10.8	8.7	7.3	10.4	8.6	7.3	9.6	8.3	7.2	8.7	8		7.3	6.8		5.1	5.5		3.3	4.7		75
80	7.6	7.2	6.8	10.6	8.5	7.2	10.5	8.5	7.2	10.1	8.4	7.2	9.4	8.2	7.1	8.5	7.9	7	7.2	6.8		5.1	5.5		3.3	4.7		80
85	7.2	7.1	6.8	10.2	8.3	7.2	10.1	8.3	7.1	9.9	8.2	7.1	9.2	8.1	7	8.4	7.8	6.9	7.1	6.8	6.4	5.1	5.5		3.3	4.6		85
90	6.8	6.8	6.8	9.9	8.2	7.1	9.9	8.2	7.1	9.6	8.1	7	9	7.9	7	8.2	7.7	6.9	7	6.8	6.4	5.1	5.5	5.2	3.3	4.6		90
95	6.5	6.5	6.6	9.6	8	7	9.6	8	7	9.4	7.9	7	8.8	7.8	6.9	8.1	7.6	6.8	6.9	6.7	6.4	5.1	5.4	5.2	3.3	4.6	4.5	95
100	6.2	6.3	6.4	9.4	7.9	7	9.4	7.9	6.9	9.2	7.8	6.9	8.6	7.7	6.9	7.9	7.4	6.8	6.8	6.7	6.4	5.1	5.4	5.2	3.3	4.6	4.5	100
105	5.9	6	6.2	9.1	7.7	6.9	9.1	7.7	6.9	9	7.7	6.9	8.4	7.6	6.8	7.7	7.3	6.7	6.7	6.6	6.4	5.1	5.4	5.2	3.3	4.5	4.5	105
110	5.7	5.8	6.1	8.9	7.6	6.9	8.9	7.6	6.9	8.7	7.6	6.8	8.2	7.5	6.8	7.6	7.1	6.7	6.7	6.5	6.4	5.1	5.4	5.2	3.3	4.5	4.5	110
115	5.5	5.7		8.7	7.5	6.8	8.7	7.5	6.8	8.5	7.5	6.8	8	7.4	6.7	7.5	7	6.7	6.6	6.4	6.3	5.1	5.4	5.2	3.3	4.5	4.5	115
120				8.4	7.4	6.8	8.5	7.4	6.8	8.3	7.4	6.7	7.8	7.2	6.7	7.3	6.8	6.6	6.6	6.3	6.2	5.1	5.4	5.2	3.3	4.5	4.5	120
125				8.2	7.3	6.8	8.2	7.3	6.7	8	7.3	6.7	7.6	7.1	6.7	7.2	6.7	6.5	6.5	6.2	6.1	5.1	5.4	5.2	3.3	4.5	4.5	125
130				8	7.2	6.8	8	7.2	6.7	7.8	7.2	6.7	7.5	6.9	6.6	7	6.6	6.4	6.4	6.1	6	5.1	5.4	5.2	3.3	4.5	4.5	130
135				7.7	7.1	6.8	7.7	7.1	6.7	7.6	7	6.7	7.3	6.8	6.6	6.9	6.5	6.3	6.3	6	5.9	5.1	5.3	5.2	3.3	4.5	4.5	135
140				7.4	6.9	6.7	7.5	7	6.7	7.4	6.9	6.6	7.1	6.6	6.5	6.7	6.3	6.2	6.2	5.9	5.9	5.1	5.2	5.2	3.3	4.5	4.5	140
145				7.2	6.8	6.6	7.3	6.8	6.6	7.2	6.7	6.5	6.9	6.5	6.4	6.6	6.2	6.1	6.1	5.8	5.8	5.1	5.1	5.1	3.3	4.4	4.4	145
150				6.9	6.6	6.5	7.1	6.7	6.5	7	6.6	6.4	6.7	6.4	6.3	6.5	6.1	6	6	5.7	5.7	5	5	5	3.3	4.3	4.4	150
155				6.7	6.5	6.4	6.7	6.5	6.4	6.6	6.4	6.3	6.3	6.3	6.2	6.3	6	6	5.8	5.7	5.7	4.9	4.9	4.9	3.3	4.2	4.4	155
160				6.5	6.3	6.3	6.5	6.4	6.3	6.4	6.3	6.3	5.9	6.1	6.1	5.8	5.9	5.9	5.7	5.6	5.6	4.8	4.8	4.9	3.3	4.1	4.2	160
165				6.2	6.2	6.3	6.3	6.2	6.2	6.3	6.1	6.2	5.7	6	6	5.3	5.8	5.8	5.4	5.5	5.6	4.7	4.7	4.8	3.3	4	4.2	165
170				6	6	6.2	6.2	6	6.1	6	5.9	6	5.5	5.5	5.9	4.8	5.6	5.8	4.9	5.4	5.5	4.6	4.6	4.7	3.3	3.9	4.1	170
175				5.8	5.8	6	5.9	5.9	6	5.7	5.8	5.9	5.3	5.3	5.5	4.5	5.1	5.5	4.5	5.2	5.4	4.3	4.5	4.6	3.3	3.8	3.9	175
180				5.7	5.7	6	5.6	5.8	6	5.2	5.6	5.8	5.2	5.2	5.3	4.4	4.6	5.1	4.4	4.8	5.2	4	4.4	4.5	3.3	3.7	3.8	180
185				5.6	5.6	6	5.1	5.5	5.7	4.8	5.3	5.6	4.9	5.1	5.2	4.2	4.3	4.6	4.3	4.3	4.8	3.5	4.3	4.4	3.2	3.6	3.7	185
190				5.5	5.6		4.7	5.1	5.2	4.4	4.9	5.1	4.5	4.9	5	4.1	4.1	4.3	4.1	4.2	4.4	3.2	3.9	4.3	2.9	3.5	3.6	190
195				5.3	5.5		4.3	4.6	4.7	4.3	4.4	4.6	4.1	4.6	4.8	4	4	4.2	3.7	4.1	4.2	2.8	3.5	4		3.2	3.5	195
200							4	4.2		4.1	4.1	4.3	3.8	4.2	4.4	3.9	3.9	4	3.3	3.9	4.1	2.4	3.1	3.6		2.9	3.4	200
205							3.9	4		4	4.1	4.2	3.7	3.8	4	3.6	3.8	3.9	2.9	3.5	3.9	2.1	2.7	3.2		2.5	3	205
210							3.9	1.8		3.7	4	4	3.5	3.6	3.7	3.2	3.7	3.8	2.5	3.1	3.5		2.4	2.8			2.6	210
215										3.3	3.6		3.4	3.5	3.6	2.9	3.3	3.5	2.2	2.7	3		2	2.4				215
220										3	3.2		3.3	3.4	3.4	2.5	2.9	3.1	1.9	2.4	2.6			2				220
225													3	3.2		2.2	2.6	2.7		2	2.2							225
230													2.7	2.9		2	2.3	2.3			1.8							230
235													2.4	2.5			1.9	1.9										235

* only possible in TVNZK mode · uniquement possible en cas de fonctionnement de la pointe pliante hydraulique de la flèche télescopique (TVNZK)

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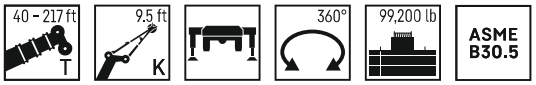
Lifting heights
Hauteurs de levage

TK



Lifting capacities
Forces de levage

TK



	40 ft	54 ft	68 ft	81 ft	95 ft	108 ft	121 ft	135 ft	148 ft	162 ft	169 ft	176 ft	182 ft	185 ft	187 ft	189 ft	196 ft	199 ft	201 ft	202 ft	207 ft	210 ft	214 ft	217 ft	
	9.5 ft																								
10	76.2	76.2	76.2																						10
11	76.2	76.2	76.2																						11
12	76.2	76.2	76.2	76.2																					12
13	76.2	76.2	76.2	76.2																					13
14	76.2	76.2	76.2	76.2																					14
15	76.2	76.2	76.2	76.2	76.2																				15
16	76.2	76.2	76.2	76.2	76.2																				16
17	76.2	76.2	76.2	76.2	76.2	76.2																			17
18	76.2	76.2	76.2	76.2	76.2	76.2																			18
19	76.2	76.2	76.2	76.2	76.2	76.2																			19
20	76.2	76.2	76.2	76.2	76.2	76.2																			20
22	76.2	76.2	76.2	76.2	76.2	76.2	76.2																		22
24	75.5	76.2	76.2	76.2	76.2	76.2	76.2	65.7																	24
26	74.5	76.2	76.2	76.2	76.2	76.2	76.2	65.7																	26
28	72.9	76.2	76.2	76.2	76.2	76.2	76.2	65.4	49.4																28
30	70.7	76	76.2	76.2	76.2	76.2	75.9	64.8	48.8	42.3															30
32	68.4	75.1	76.2	76.2	76.2	76.2	74.4	63.8	48.3	42.2	30.4	33.5													32
34	66.3	74.3	76.2	76.2	76.2	76.2	72.7	62.6	47.7	42	30.1	33.5	27.1	25.4											34
36	64.3	73	76.1	76.2	76.2	76.2	71	61.3	46.9	41.8	29.7	33.5	26.9	25.2	22.2	26.8	23.1		18.1						36
38	62.2	71.4	75.5	76.2	76	76.2	69.4	59.9	46.1	41.6	29.4	33.5	26.7	25	22	26.8	23.6	22.3	21.8	21.6	17.9	17.4			38
40	58.7	69.7	74.8	76.2	75.4	74	67.8	58.4	45.3	41.2	28.9	33.3	26.5	24.7	21.8	26.7	23.5	22.2	21.6	21.5	17.9	17.3	15.9	15.5	40
45		65.5	67.7	68.6	67.4	65.3	63.4	54.5	43.1	40.2	27.7	32.7	25.7	24	21.1	26.3	23.1	21.8	21.3	21.3	17.7	17.2	15.7	15.3	45
50		60.1	60.5	60.3	59.5	59.4	57	50.7	41.1	38.7	26.4	31.9	24.9	23.2	20.4	25.8	22.6	21.3	20.9	21	17.5	17	15.5	15.1	50
55		52.5	53.2	52.9	53.1	53	50.4	46.9	39.1	36.9	25	30.9	23.9	22.5	19.6	25.3	22	20.8	20.3	20.6	17.2	16.8	15.3	14.9	55
60			46.6	47.2	47.5	46.6	45	42.5	37.4	35	23.7	29.6	22.9	21.7	18.9	24.8	21.4	20.3	19.6	20.2	16.9	16.5	15	14.7	60
65			41.2	42.3	42.1	41.2	40	38.1	35.7	33.2	22.5	28.3	21.9	20.9	18.1	23.9	20.7	19.7	18.9	19.8	16.6	16.2	14.7	14.4	65
70			32.9	38	37.6	36.7	35.5	34.2	34	31.2	21.2	27	20.9	20.2	17.3	23	19.9	19.2	18.1	19.2	16.2	15.9	14.3	14.1	70
75				34.3	33.8	33	31.7	32.2	31.5	29.4	19.9	25.7	19.9	19.3	16.6	22.1	19.1	18.5	17.2	18.5	15.9	15.5	14	13.7	75
80				31	30.6	29.7	29	29.5	28.4	27.5	18.8	24.5	18.8	18.4	15.8	21.3	18.2	17.8	16.4	17.9	15.5	15.1	13.6	13.3	80
85					27.8	26.9	27.6	26.7	26.1	24.9	17.8	23.3	17.9	17.5	15	20.4	17.4	17	15.6	17.2	15	14.5	13.2	12.8	85
90					25.4	24.6	25.3	24.2	23.5	22.4	16.9	22.2	17	16.5	14.3	19.6	16.7	16.2	14.7	16.6	14.5	13.9	12.7	12.3	90
95					23.3	23.5	23.1	22.2	21.3	21	16.1	20.5	16.3	15.6	13.5	18.8	16	15.4	13.9	15.9	14.1	13.3	12.3	11.8	95
100						20.5	22.2	21.2	20.3	19.7	19.8	15.3	18.7	15.5	14.8	12.8	17.9	15.4	14.7	13.2	15.3	13.7	12.8	11.9	11.2	100
105						20.5	19.4	18.6	18.5	18.1	14.6	17.2	14.9	14	12	16.8	14.8	14	12.6	14.8	13.3	12.2	11.4	10.7	105
110						16.6	17.8	17.5	17.2	16.6	13.9	16.1	14.2	13.3	11.3	15.2	14.2	13.3	12	14.2	12.8	11.7	11	10.2	110
115							16.4	16.2	15.7	15.4	13.2	14.8	13.6	12.6	10.7	14	13.5	12.7	11.4	13.6	12.4	11.3	10.6	9.8	115
120							15.2	15.4	14.4	14.1	12.6	13.7	13	11.9	10.1	13.2	12.6	12.1	10.8	12.6	12	11	10.2	9.3	120
125								14.2	13.6	13.1	12	12.6	12.3	11.3	9.6	12.3	11.4	11.3	10.2	11.4	11.6	10.6	9.8	8.9	125
130								13.2	12.8	12.2	11.5	11.5	11.3	10.7	9.1	11.2	10.9	10.3	9.7	10.3	10.6	10.3	9.4	8.6	130
135								12.2	11.8	11.3	10.9	10.8	10.3	10.1	8.7	10.2	10.3	9.7	9.2	9.5	9.8	9.8	9.1	8.2	135
140									10.9	10.4	10.1	10.1	9.9	9.4	8.3	9.5	9.5	9.2	8.8	8.7	9	9	8.7	7.8	140
145									10.4	9.8	9.4	9.4	9.4	8.8	7.9	8.8	8.9	8.5	8.4	8	8.3	8.3	8.2	7.4	145
150									8.8	9.4	9	8.7	8.8	8.5	7.6	8.2	8.2	7.9	8	7.4	7.7	7.7	7.6	7.1	150
155										8.8	8.7	8.2	8.2	8.1	7.2	7.6	7.7	7.3	7.6	6.8	7.1	7.1	7	6.8	155
160										8.3	8.3	7.6	7.7	7.6	6.9	7	7.1	6.7	7.1	6.3	6.5	6.5	6.5	6.3	160
165											7.8	7.1	7.2	7.1	6.6	6.5	6.6	6.2	6.6	5.8	6	6	6	5.8	165
170											6.9	6.7	6.7	6.7	6.3	6	6.1	5.7	6.2	5.3	5.5	5.5	5.5	5.4	170
175												6.3	6.3	6.2	6.1	5.6	5.7	5.3	5.7	4.8	5.1	5.1	5	4.9	175
180													5.9	5.8	5.7	5.1	5.3	4.8	5.3	4.3	4.6	4.6	4.5	4.4	180
185														5.4	5.3	4.7	4.8	4.4	4.8	3.8	4.1	4.1	4.1	3.9	185
190																3.9	4.4	3.9	4.4	3.4	3.6	3.7	3.6	3.5	190
195																	4	3.5	4	3	3.2	3.2	3.2	3	195
200																		2.3	3.5	2.6	2.8	2.8	2.8	2.6	200
205																					2.4	2.5	2.4	2.3	205
210																						2.1	2	1.9	210

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Equipment

Crane carrier

Frame	Self-manufactured, weight-optimized and torsion resistant box-type design of high-tensile structural steel.
Outriggers	4-point supporting system, hydraulically telescopable into horizontal and vertical direction. Automatic levelling of crane. Electronic inclination indicator.
Engine	6-cylinder Diesel, make Liebherr, watercooled, output 400 kW (544 h.p.), max. torque 1856 lb-ft. Exhaust emissions to (EU 2016/1628 and EPA/CARB or ECE-R.96, spark arrestor. Fuel reservoir: 148 gallons.
Transmission	ZF 12-speed gear box with automatic control system. ZF-intarder fitted directly to the gear. Two-stage transfer case with lockable transfer differential.
Axles	Low maintenance carrier axles, all 5 axles steered. Axle 2, 4 and 5 are equipped with planetary gears, all driven axles with transverse differential locks, axle 4 with longitudinal differential lock.
Suspension	All axles are mounted on hydropneumatic suspension – "Niveaumatik suspension" and are lockable hydraulically.
Tyres	10 tyres. Size of tyres: 445/95 R 25 (16.00 R 25).
Steering	2-circuit system with hydraulic servo steering. Active speed depending rear axle steering, special steering programs for various driving situations.
Brakes	Service brake: all-wheel servo-air brake, all axles are equipped with disc brakes, dual circuit. Parking brake: Spring brake actuator, acting on the wheels of the 2nd to 5th axle. Sustained-action brakes: Engine brake as exhaust retarder with Liebherr additional brake system ZBS. Intarder in gearbox.
Driver's cab	Spacious corrosion resistant with comfort furnishings, mounted on rubber shock absorbers, safety glazing.
Electrical system	Modern data bus technique, 24 Volt DC.

Crane superstructure

Frame	Liebherr-manufactured, torsionally rigid steel construction made from high-tensile fine-grain steel. Triple-roller slewing rim.
Crane drive	Mechanical drive of the crane hydraulic from the chassis. Variable axial piston pumps with servo control and power regulation.
Control	Electric „Load Sensing" control, simultaneous operation of 4 working motions, 2 self-centering hand control levers (joy-stick type).
Hoist gear	Axial piston fixed displacement motor, Liebherr hoist drum with integrated planetary gear and spring-loaded static brake.
Luffing gear	1 differential ram with pilot-controlled brake valve.
Slewing gear	Axial piston fixed displacement motor, planetary gear, spring-loaded static brake. Slewing gear inversible from released to locked as standard feature.
Crane cab	Large screen area, compound glass, comfort furnishing, cabin tiltable 20° to rear.
Safety devices	LICCON2 safe load indicator, test system, hoist limit switch, safety valves to prevent pipe and hose ruptures.
Telescopic boom	1 base section and 6 telescopic sections. All telescopic sections extendable individually by means of the rapid-cycle telescoping system TELEMATIK. Boom length 40 ft to 217 ft.
Counterweight	63,930 lb
Electrical system	Modern data bus technique, 24 Volt DC.

Additional equipment

K	Assembly jib 9.5 ft.
K	Single folding jib, 35 ft. Double swing-away jib 35 ft – 62 ft. Mechanical adjustment 0°; 20°; 40°.
NZK	Single folding jib, 35 ft. Double swing-away jib 35 ft – 62 ft. Hydraulic adjustment 0° – 40°.
V	Telescopic boom extension 23 ft.
2nd hoist gear	For two-hook operation or for operation with swing-away jib if the hoist rope shall remain reeved.
Tyres	10 tyres, size 525/80 R 25 (20.5 R 25).
Drive 10 x 8	Additional drive of the 1st axle.
Additional counterweight	35,270 lb for a total counterweight of 99,200 lb.

Other items of equipment available on request.

Equipement

Châssis porteur

Cadre	Construction en caisse résistante à la torsion et optimisée en poids réalisée par Liebherr en acier de construction à grain fin très rigide.
Calage	Dispositif de calage horizontal et vertical en 4 points, entièrement déployable hydrauliquement. Nivellement automatique du calage. Indicateurs électroniques d'inclinaison.
Moteur	Moteur diesel, 6 cylindres, fabriqué par Liebherr, à refroidissement par eau, de 400 kW (544 ch), couple max. 1856 lb-ft. Emissions des gaz d'échappement conformes aux directives (EU) 2016/1628 et EPA/CARB ou ECE-R.96, pare-étincelles. Capacité du réservoir à carburant: 148 gallons.
Boîte de vitesse	Boîte de vitesses ZF à 12 rapports, mécanisme automatisé à commande. Ralentisseur hydrodynamique ZF directement accouplé à la boîte. Boîte de transfert à 2 étages avec blocage de différentiel.
Essieux	Essieux nécessitant peu d'entretien, les 5 essieux sont directeurs. Les essieux 2, 4 et 5 sont des essieux planétaires, tous les essieux moteurs avec différentiel transversal et l'essieu 4 avec différentiel longitudinal.
Suspension	Suspension hydropneumatique «Niveaumatik» - sur tous les essieux. Chaque essieu peut être bloqué hydrauliquement.
Pneumatiques	10 pneus. Taille: 445/95 R 25 (16.00 R 25).
Direction	2 circuits avec direction assistée hydraulique. Direction active des essieux arrière et dépendante de la vitesse, programmes de direction spéciaux pour les différents modes de déplacement.
Freins	Freins de service : servofrein à air comprimé, tous les essieux sont munis de freins à disque, à 2 circuits. Frein à main : ressort accumulé agissant sur les roues des essieux 2 à 5. Freins continus : frein moteur par clapet sur échappement avec système de ralentissement Liebherr ZBS. Ralentisseur monté sur boîte de vitesse.
Cabine	Spacieuse cabine, traitement anticorrosion, équipement «grand confort», suspension par silentblocs, vitrage de sécurité.
Installation électrique	Technique moderne de transmission de données par BUS de données, courant continu 24 Volts.

Partie tournante

Cadre	Fabrication Liebherr, construction soudée indéformable, en acier à grain fin haute résistance. Couronne d'orientation à triple rangée de rouleaux.
Entraînement	Entrainement mécanique de l'hydraulique de la grue par le châssis de la grue. Pompes réglables à pistons axiaux avec servocommande et réglage de puissance.
Commande	Direction électrique "Load Sensing", 4 mouvements de travail dirigeable simultanément, deux leviers de commande à 4 positions et à autocentrage.
Mécanisme de levage	Moteur à cylindrée constante et à pistons axiaux. Treuil de marque Liebherr équipé d'un engrenage planétaire et d'un frein d'arrêt commandé par ressort.
Mécanisme de relevage	1 vérin différentiel avec clapet de frein commandé.
Dispositif de rotation	Moteur à cylindrée constante à pistons axiaux, réducteur planétaire, frein d'arrêt commandé par ressort. Commutation en série du mécanisme d'orientation: ouvert et en orientation freinée automatiquement.
Cabine de grue	Construction en tôle d'acier entièrement zinguée avec peinture par poudrage et cuisson au four, avec glaces de sécurité, appareils de commande et de contrôle, équipement confortable. Cabine inclinable vers l'arrière.
Dispositif de sécurité	Contrôleur de charge, «LICCON2», système test, limitation de la course pour le levage, soupape de sûreté contre la rupture de tubes et de tuyaux.
Flèche télescopique	Un élément de base et de 6 télescopes. Chaque partie peut être télescopée individuellement à l'aide du système de télescopage séquentiel rapide TELEMATIK. Longueur de flèche: 40 ft – 217 ft.
Contrepoids	63,930 lb
Installation électrique	Technique moderne de transmission de données. Courant continu 24 Volts.

Equipement supplémentaire

K	Flechette de montage 9.5 ft.
K	Flechette pliante simple, longueur 35 ft. Double flechette pliante 35 ft – 62 ft. Reglage mecanique 0° ; 20° ; 40°.
NZK	Flechette pliante simple, longueur 35 ft. Double flechette pliante 35 ft – 62 ft. Reglage hydraulique 0° – 40°.
V	Rallonge flèche télescopique 23 ft.
2ème mécanisme de levage	Pour l'utilisation du deuxième crochet, ou bien pour une utilisation avec fléchette pliante lorsque le câble de levage principal rest mouflé.
Pneumatiques	10 pneus. Taille: 525/80 R 25 (20.5 R 25).
Entraînement 10 x 8	Essieu 1 est entraîné additionnellement.
Contrepoids additionnel	35,270 lb pour un contrepoids total de 99,200 lb.

Autres équipements supplémentaires sur demande.

Description of symbols
Explication des symboles



Max. capacity
Capacité max.



Max. hoist height
Hauteur de levage max.



Max. radius
Portée max.



Tyres
Pneumatiques



Hookblock/Capacity
Moufle à crochet/Capacité de charge



No. of sheaves
Poulies



No. of lines
Brins



Weight
Poids



Crane carrier
Châssis porteur



Driving speed
Vitesse de translation



Gradability
Aptitude à gravir les pentes



Transmission
Boîte de vitesse



Gear
Vitesse



Onroad gear
Vitesse de route



Crawl speed
Marche lente



Max. supporting forces
Forces d'appui max.



Outriggers front
Calage avant



Outriggers rear
Calage arrière



Crane superstructure
Partie tournante de la grue



infinitely variable
en continu



Rope diameter
Diamètre



Rope length
Longueur du câble



Max. single line pull
Effort au brin maxi.



Hoist gear
Treuil de levage



Slewing speeds
Vitesses d'orientation



Boom length
Longueur de la flèche



Boom position
Position de la flèche



Counterweight
Contrepoids



Outriggers
Calage



Slewing gear / Working area
Mécanisme d'orientation / Plage de travail



Standard
Norme



Radius
Portée



Telescopic boom
Flèche télescopique



Hydraulic swing away jib
Fléchette pliante hydraulique



Telescopic boom extension
Rallonge flèche télescopique



Assembly jib
Flechette de montage

Remarks

1.	The lifting capacities do not exceed 85 % of the tipping load according to ASME B 30.5. The crane's structural steelwork is in accordance with EN 13000 and ASME B 30.5.
2.	For the calculation of the load charts at least a wind speed of 30 ft/s (9 m/s, 20 mph) and regarding the load a sail area of 1 m² per ton load and a wind resistance coefficient of 1.2 on the load have been taken into account. For lifting of loads with large sail areas and/or high wind resistance coefficients the maximum wind speed as stated in the load charts has to be reduced.
3.	The lifting capacities stated are valid for lifting operation only (corresponding with crane classification according to ISO 4301-1, crane group A1).
4.	Lifting capacities are given in kip.
5.	The weight of the hook blocks and hooks is part of the load and therefore it must be deducted from the lifting capacities.
6.	Working radii are measured from the slewing centre.
7.	The stated lengths of the telescopic boom are maximum values and may deviate slightly.
8.	The lifting capacities given for the telescopic boom apply if the folding jib is removed.
9.	Subject to modification of lifting capacities.
10.	Lifting capacities above 189,600 lb/257,700 lb only with additional pulley block/special equipment.
11.	The data of this brochure serves only for general information. All information is provided without warranty. Instructions for the correct commissioning of the crane please take from the operation manual and the load chart book.
12.	The illustrations in this brochure may feature accessories and special equipment not included in the standard scope of delivery.

Remarques

1.	La capacité de charge ne doit pas dépasser 85 % de la charge de basculement conformément à ASME B 30.5. La structure métallique de la grue est conforme à EN 13000 et ASME B 30.5.
2.	Une vitesse de vent de 30 ft/s (9 m/s, 20 mph) minimum, une surface de prise au vent de 1 m² par tonne ainsi qu'un coefficient de résistance au vent de la charge 1,2 sont pris en compte pour le calcul des tableaux de charge. Lorsque des charges ayant une surface de prise au vent et/ou un coefficient de résistance au vent plus élevé(e)(s) sont levées, la vitesse de vent maximale indiquée dans les tableaux de charge doit être réduite.
3.	Forces de levage pour application de grue de montage (correspond à la classification de grues selon ISO 4301-1, groupe de grues A1).
4.	Les charges sont indiquées en kip.
5.	Le poids du crochet de levage resp. de la moufle à crochet est une partie de la charge et doit donc être déduit de la capacité de charge.
6.	Les portées sont calculées à partir de l'axe de rotation.
7.	Les longueurs indiquées pour la flèche télescopique sont des valeurs maximales et peuvent légèrement varier dans la réalité.
8.	Les charges indiquées pour la flèche télescopique sont valables lorsque la fléchette pliante est démontée.
9.	Charges données sous réserve de modification.
10.	Forces de levage plus de 189,600 lb/257,700 lb seulement avec moufle additionnel/equipement supplementaire.
11.	Les données de cette brochure sont données à titre informatif. Ces renseignements sont sans garantie. Les consignes relatives à la bonne mise en service de la grue sont disponibles dans le manuel d'utilisation et le manuel de tableaux de charge.
12.	Les figures contiennent également des accessoires et des équipements spéciaux non inclus de série dans la livraison.

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Proposition 65



WARNING: This product can expose you to chemicals, including exhaust emissions, including lead and lead compounds, which are known to the State of California to cause cancer, birth defects or other reproductive harm.
For more information see: www.P65warnings.ca.gov/diesel

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